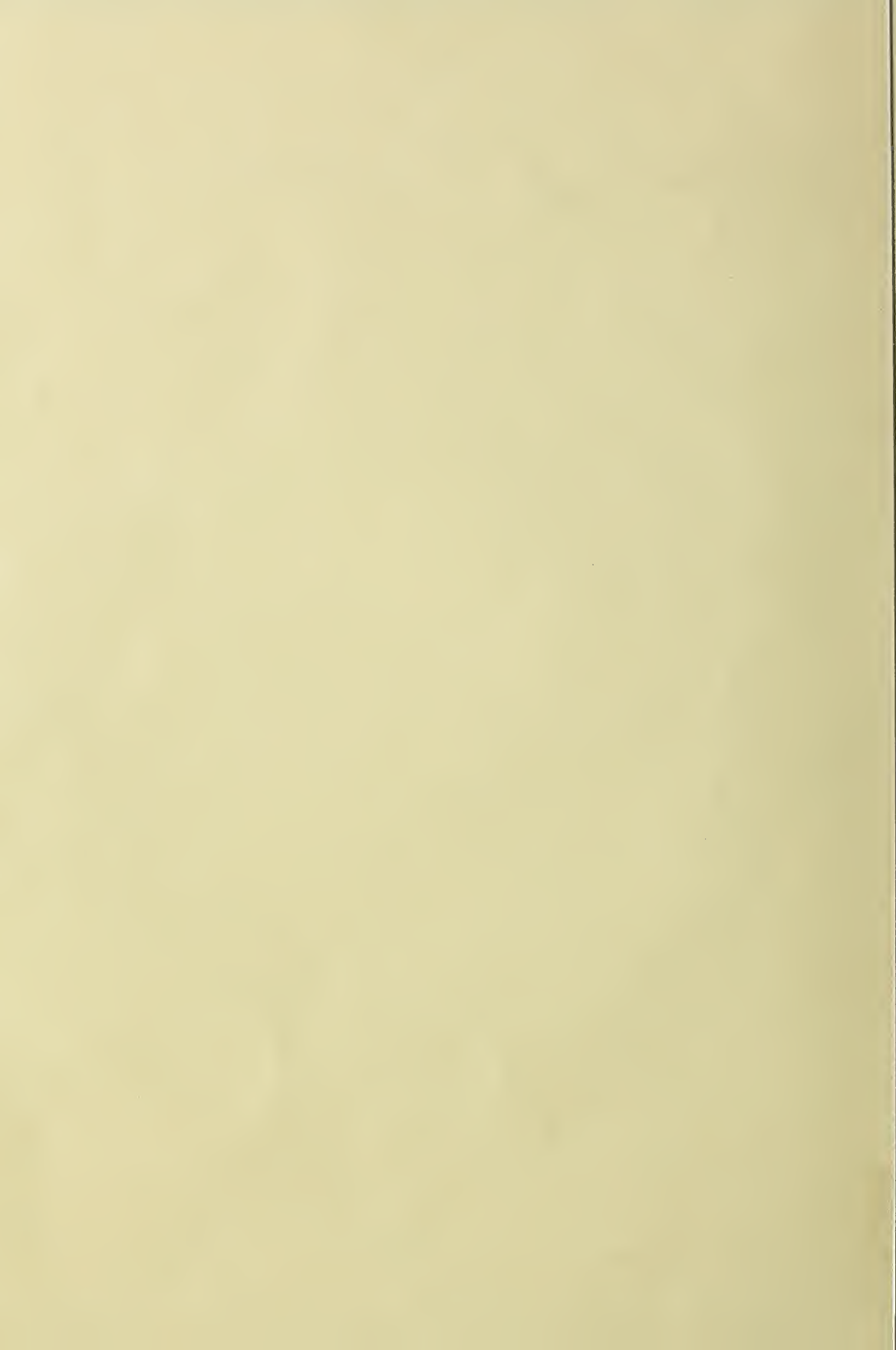


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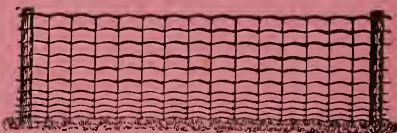
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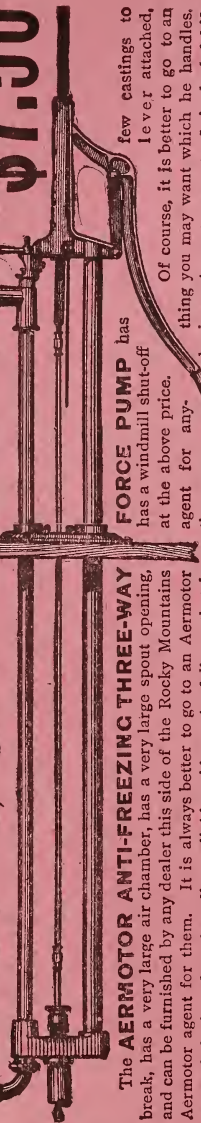
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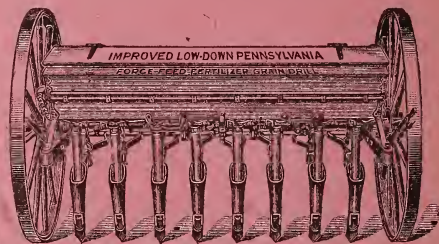
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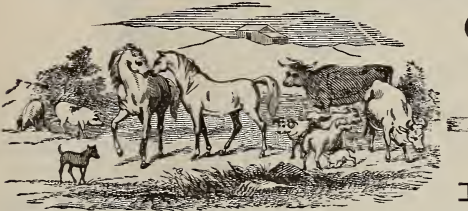
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No. 7.

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Redeeming our land from oppression,  
And leaving no servile stain,  
The white is a proud people's honor,  
Kept spotless and pure as light,  
A pledge of unflinching justice,  
A symbol of truth and light.

The blue is our nation's endurance,  
And points to the blue above,  
The limitless, measureless azure,  
A type of the Father's love.  
Thy stars are God's witness of blessing,  
And smile at the foeman's frown.  
They sparkle and gleam in their beauty,  
Bright gems in the great world's crown.

—*Boston Standard.*



For The Maryland Farmer.

JULY 1895.

BY THE EDITOR.

## Midsummer DAYS,

with all their sunshine, heat and and enervating influences, are upon us. Beneath the shade of wide spreading trees, the idler passes the time with open book, too lazy even to read. The city resident takes his way to the country and spends his days in seeking rest and recuperation after his months of weary struggle and toil. It is classic now to suppose that every country road must have its city tramp whose weariness is proverbial, and who is ready to comment and criticise upon the countrymen who may chance to be in the fields. Life in July feels the effects of midsummer, and we may well excuse the visitors for their little foibles.

But July is not all play for the farmer. He has his work to do and it is important that it should be well done. It should be a settled habit to do all his work in the morning before eleven o'clock and in the evening after four o'clock. Lounge around in the shade, as does the aforesaid city brother, during the scorching hours of midday. Let the teams, also, have shelter from the sun's hot rays, and darken their abode that they may partially at least escape the torment of flies. The cattle, too, should have the run of the woods so that they may take care of themselves during this season of siesta. If they can have a pond or stream in the woods it will be a blessing to them. The midday work of July

for man and beast is to keep in the shade, rest quietly, keep as cool as possible and thus the better be prepared for the hours of labor.

The working in the field should be attended to, for weeds will grow when no cultivated crop can progress against the dry weather and scorching heat. The last week in June was an exhibition of days which warn us of what we may expect in the present month. The very grass suffered under the blazing sun.

When we know what the farmer has to undergo in these sweltering months, is it a wonder that he turns from the toil to thoughts of what he is to get in return for his labor? When therefore we receive such letters as that from the President of the State Alliance in the present number, we place them in our columns as showing how serious is the situation with the farmers of to day, and to keep our readers fully up to the times from the farmer's standpoint.

The future is destined to be filled with movements, social, educational, financial and political, on the part of the farmers, which will stir the country very thoroughly; for while resting in the hot midday hours every man among the farmers will be "catching on" to the live thoughts which shall inspire his future public work. He knows there is something "out of joint" in his affairs, and he will not be satisfied till he has discovered what that something is, and found a remedy for it. He will listen to those who talk; but he must find some



thing practicable and real which will meet his wants and bring him out of his troubles. He knows that it is a very common saying that the farmer is the most independent man in our country, and theoretically this is a true saying: but practically he finds himself the veriest slave to those who sell him his supplies and to those who handle his crops. He is very restive under the knowledge of this fact. Growing all, or nearly all, the necessities of his life on his own land, he naturally expects to be free from the exactions of the outside world on his substance and on his movements; but he is a living example of the difference between theory and practice. Well, he must take care of his crops, even if his toil does not bring its full reward—four o'clock comes round, the siesta is ended, and he must go to work. But, be sure when the heat of tomorrow comes he will renew the thinking until he is able to solve the problem; for it must be found at last, and it must be righted even though the good old Ship of State shall be fearfully rocked by the storm it may raise.

By and by some sturdy farmer will have reached the resolution of this problem of why he is bound when he should be free, why he is unpaid when his labor should be amply rewarded, why he is in debt when his labors have been so great that he should have hundreds above all indebtedness, why his family are in need of the ordinary surroundings of comfort when others live luxuriously upon one-tenth part of the labor he must undergo; and having reached the solution of these matters he will come forth inspired, and with the natural eloquence bred from

his experience, he will teach his fellow farmers, and sweep away the cobwebs which befog them, till our whole country shall feel the thrill of his labors, and such a reform shall be accomplished as will astonish the prosy drones who are living now upon the substance of the industrious classes of our citizens. We shall welcome him right royally when he comes.

We only wish, now, that the day was at hand when the farmer could feel himself without a grievance, and when, aside from his labor lightened by all the noble inventions of this century, he could enjoy in the utmost quiet the midday rests, undisturbed by thoughts of trouble for himself and his precious home flock. Hasten this time when the labors will be swallowed up in the true happiness of feeling that his labor is amply rewarded; and that he is free from the claims of the outside world, while he and his are enjoying all the comforts and refinements which should naturally adorn their lives.

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For the Maryland Farmer.

#### THE AGRICULTURAL OUTLOOK.

BY DR. M. G. ELLZEY.

President of the Maryland Farmers' Alliance.

Agriculture is immeasurably the greatest and most important business of the American people. After furnishing food and clothing sufficient for the whole nation, in the year of the nation's greatest commerce, it furnished nearly 78 per cent. of the exports upon which that commerce was based. The gross value of this vast contribution to the settlement of the international account was \$800,000,000, a sum fully equal to all the gold coin of the nation twice told.

It is true that in making this statement I do not conform to the statements of the Secretary of the Treasury as to the amount of gold coin in this country; but no reliance can be placed upon any official statement in this respect. The Secretary of the Treasury of the United States does not know; nobody knows how much gold we have. But every body knows, that the Treasury estimates are grossly exaggerated. It is beyond successful contradiction that the contribution of agriculture to the credit side of the international account averages about double the entire gold coinage of the country. This, too, in the face of a fall in prices of agricultural staples greater than that which has taken place in the prices of manufactured goods, and products of the mines—a fall so great as to compel a very large reduction of the normal production in all the great staples. And, yet, so great is the general distress, reduced consumption has more than kept pace with reduced production, and prices have continued to fall.

It is not a conspiracy of the farmers; they have not combined to reduce production in order to advance prices upon the odious principle of the commercial trusts. They have simply been disabled from producing by the reduction of the price of their commodities below the cost of production. That agriculture has ever produced more than the world could and would consume, if all industry was active and prosperous, is in no wise the truth. But those, whose monopolizing schemes are responsible for the general distress, have preached "over production" to the farmers until they have been in some degree successful in

discouraging and reducing production of the great agricultural staples which are prime necessities of life.

The primary results of the contraction of the money of the world was to discourage consumption, and enforce economy, often to the point of severe distress. The necessary result was, an accumulation of an annual surplus of the great staples in the world's markets. Manufacturers, being more alert, seized the advantage for reducing their output to increase prices, and being able to combine successfully for that purpose, the accumulation of a surplus of raw material became their opportunity through which, by the adoption of the nefarious trust, they appropriated the great profit to themselves, and refused to divide with consumers.

In the face of such a situation it is perfectly clear to what extremities agriculture stood reduced. Nevertheless with characteristic energy and hopefulness, with characteristic unselfishness and patriotism, the farmers continued to produce to the limit of their capacity, regardless of the advice of those who would have them believe, they were ruining themselves by producing more than the world needed or could use. In the mean while their ability to produce was surely and fatally contracted by the financial adversities of their situation; and at length it appears that a crisis has been reached.

As under the influence described agricultural production declined, the annual surplus of staples has been absorbed, and has practically disappeared; while the annual product is not only below what the normal consumption of prosperous times would be, but it begins to be

doubtful whether it may not soon fall below the actual necessities of mankind. Those already in danger, necessity and despair, are likely to be called upon to meet a situation yet more replete with the blackness of gloom and desperation. This is the bitter and dangerous fruit of the rule of the gold kings, and their dupes and slaves, the auro-maniacs, who follow their counsels and obey their commands. These gold kings know well that, as told by the great historian of the decline and fall of the Roman Empire, "from time immemorial gold and silver have among all nations represented in the smallest compass, the most ample command over the labor and possessions of mankind." The gold kings easily perceiving that the smaller the compass, the more ample the command of the money metals over labor and property and military service, saw that banishing silver they could double their own power and possessions. Only those who own the gold would possess credit, and under the gold standard the business of the world must be done on credit. They might cover and hide the gold and loan their credit to any amount and at any rate of usury they might be pleased to fix. This is what they mean by "sound money." Then indeed would their command over the labor and property of mankind be ample, complete and universal. This is but another way of saying that this is a conspiracy to confiscate the possessions of the mass of mankind and to enslave their persons. Its success implies the removal from country life of all traces of leisure and refinement; the degradation of agriculture from its true position of a great and noble and learned profession, to the base

level of a petty handicraft entailing a life of drudgery and toil with the scantiest remunerations.

Already this conspiracy has so far succeeded that the theory of over production begins to bear its legitimate fruit. The gamblers have been first to realize the situation; suddenly they inaugurated a mad rush to pluck and plunder each other, and to swindle both producers and consumers. We are told that wheat advanced rapidly from 50 to upwards of 80 cents, about which figure it surged upwards and downwards amidst the wildest excitement.

We are told that in the midst of this frenzy to rob and cheat each other, these "bears" and "bulls" sold in one day, in New York, 80,000,000 bushels of wheat. What sort of wheat and where did it come from? Why, wheat from no where, which is not wheat at all. Wheat for future delivery—phantom wheat—wheat never to be delivered. The prices quoted are not the prices of wheat at all, but gamblers' stakes of mere wind. If the bull wins the bear does not deliver him any wheat but pays him the difference, and if the bear wins the bull pays him. It is gambling, pure and simple; gambling, criminal under the law of the land; the criminal obligations incurred are not enforceable at law. The lottery schemer, the policy writer, the low common black-leg of the faro-table and the sweat cloth, the denizen of the foulest gambling hell, is no better and no worse; he is just as good, just as reputable, just as honest as the gambler in futures who stakes his millions in the New York produce exchange, on the price of wheat or cotton as it may stand on the floor of the exchange on a day certain in the



future, in July, or September, or December, as agreed on. The price of this July wheat, this September or December wheat, is not the price of wheat, it is the price of wind, yet, in that day when the final account is cast up, it may be found entered as the price of blood; for one result of these gambling orgies of these bears and bulls is, that the poor laborer whose family already lack sufficient bread, the poor girl in the sweat-shop, already half starved, find the price of the hard earned loaf increased by one third.

On the other hand, while there is every reason to expect some advance in prices, the farmers will be deceived if they are lead to suppose that the price of any one commodity, or class of commodities, can by any means be maintained at a point above the general level of prices, which is strictly conformable to the volume of money in actual circulation through the channels of commerce and trade. In a future number I will submit certain reasons why some advance of prices may be expected, and especially in consideration of some changes wrought by the Japanese War, and its larger results.

#### Mushrooms.

As an article of food mushrooms are becoming more widely and favorably known each year. Immense quantities are grown for market in caves near Paris, some of the beds being seven miles long. One grower has twenty-one miles of mushrooms growing at Mery. In Italy the truffle beds are so valuable that they are guarded as carefully as are game preserves in England. But

the poachers, quite equal to the necessity, train their dogs to go among the beds, dig up those mushrooms of marketable value and bring them out to the edge, where they are waiting to receive them. Mushrooms bring in a revenue of £4,000 a year to Rome, and M. Roques calls the despised toadstool the "manna of the poor."

Mr. Julius Palmer, our own authority on mushrooms, says: "Were the poorer classes of Russia, Germany, Italy or France to see our forests during the autumn rains, they would feast on the rich foods there going to waste. For this harvest requires no seed time and asks for no peasant's toil. At the same time the value of mushroom diet ranks second to meat alone. America is one of the richest countries in mushroom food."—*St. Nicholas*.

#### Star Spangled Banner.

We copy the following appreciative words from the Daily North West News, Grand Forks, N. Dakota:

Gov. Brown, the progressive Maryland Granger, has determined to make the world pay a proper homage to Francis Scott Key and the offspring of his patriotic mind, "The Star Spangled Banner," and the State Superintendent of Maryland approves the proposition that on June 14th, all the public schools contribute to the monument which is to be erected at Frederick, Maryland. The inspiration which evoked the lines:

"Oh say, can you see

By the dawn's early light," etc. is one that all American youths should imbibe. Flag Day will be particularly near to Baltimoreans, because it was in

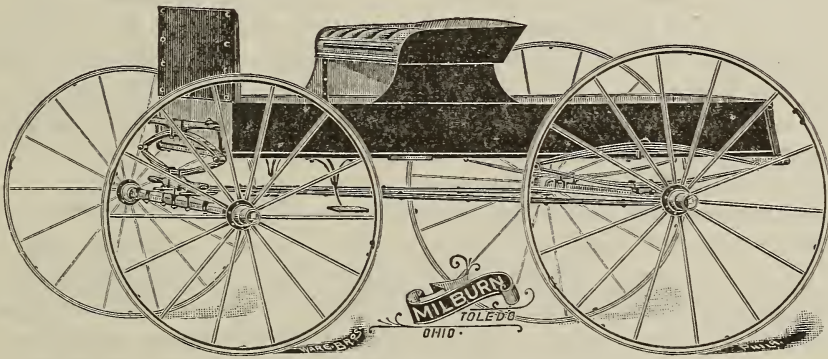


the attack upon Fort McHenry, that  
the "broad stripes and bright stars,  
"Through the perilous fight,  
O'er the ramparts we watched  
Were so gallantly streaming."

It was "Baltimore, My Baltimore," whose colors Smallwood's men proudly upbore in the revolution, and it was Baltimore's gallant hero, Howard, that cut the cruel Tarleton's troopers to pieces at "The Cowpens." The Mary-

#### FARMER'S MILK WAGON.

Designed especially for the hauling of milk from the farm to the creamery, it is in fact an all around wagon for all manner of light work. It is made of hard wood throughout, and the wheels are first class, patented, light but strong. It is very seldom we can give such a clear cut illustration of a vehicle, so generally wanted, which is at the same time cheap and substantial. Its form,



FARMER'S MILK WAGON.

land line has had much to do in the cause that made the Star Spangled Banner an escutcheon of honor and chivalry among nations. Therefore it is befitting that the old State take the initiative in monumenting Key. Frederick calls to memory in this generation the roars of the battle of the war—when Lee and "Little Mac" measured swords by Antietam's bloody flow. There, too, the poet Whittier has immortalized Barbara Frietchie, the old German woman who kept the Stars and Stripes flying from her humble home all day as "Stonewall" Jackson's men marched through the street.

long body and clear build will commend it at once to the farmer. We believe the Maryland Agricultural Co., of Baltimore, are the agents for this section of the country, and will quote terms and prices, which are not at present possessed by us.

#### WORKING MARES WITH FOAL.

It would do neither mare nor foal harm if the work is judiciously selected, and the periods of absence are not too long. Mischievous arises when the mare is taken out to do long road journeys, whether at a fast pace or heavily laden, and, having been kept from her foal for

a very long time, is returned to it tired and hot. The foal is then likely to suffer in two ways, either of which is capable of causing scour, the prolonged abstinence and subsequent hurried feeding upset the weak and easily disturbed digestive organs, while the character of the milk is altered and causes bowel disorder. The breeder of agricultural horses enjoys an advantage denied the light horse breeder, for his mares can be employed at slow light work about the farm, and so be earning part of their keep. Three or four weeks are allowed the mare to attend solely to her maternal duties, and then she may go to work, of course receiving corn to compensate for it, for work means waste, and you can not have milk and work too. Some allow the foal to run about after the mare, when she is at slow work. It has some advantages, chief of which is that the foal can suck frequently and gets familiarized with the objects among which it has to live, but the youngster undoubtedly gets in the way, and should, I think, be shut up during the mare's absences, which should be short. Familiarity sometimes breeds contempt, and foals that are made pets of and run about after the mare at work, very often turn out a great deal more troublesome than the colt that has never had a hand on it until taken in for breaking.

—*Prairie Farmer.*

#### ASPARAGUS.

There is no more valuable plant in the garden than asparagus. It is well to study the habit of growth of this plant. It is a greedy feeder, its long roots making a mat in the soil near the surface for three feet in every direc-

tion. Not only plenty of manure is to be given as a top dressing, but a liberal fertilizing as well. It is on this voracious habit of feeding that the plants are often given four or five feet of space in each direction, but, with good feeding and fertilizing, they may be set in rows four feet apart and eighteen inches apart in the rows. Two hundred roots, well cared for, will supply a good-sized family until the peas and string beans come in. If there is not such a bed in every garden, a note should be made to have one next Spring. If weeds invade the bed, the best thing to do is to scatter salt liberally over it, sufficient to whiten the surface. This will destroy most of the weeds, but it will save the asparagus.

#### Water Your Horse.

The *Farmer's Magazine* says that horses require water as much as do men, and should have it every five or six miles, if the weather is warm. If the horse is very much over-heated just before coming to a watering place, say a quarter of a mile or so before, "slow up" to a walk, and when you get where you can give the horse water, he will have become cooled off considerably; then, too, he should have his mouth sponged out and about half a bucketful of water. Nothing refreshes a tired, jaded horse so much as a drink of water, and if he has it at regular intervals he will keep up over a long distance. He can do much better for a whole day, and over a long journey without food than without water. If this item of watering was more carefully attended to we would hear of fewer cases of horses being overcome by the heat during the warm summer months.

Compiled for the Maryland Farmer.

### FARM ITEMS.

Sheep rearing is getting on its feet again.

Provide plenty of rock salt for your stock.

Hold on to the heifer calves from the best milkers.

Keep ducks in a house with a board floor covered with straw.

Nitrates should always be applied on the surface to a growing crop.

Fall pigs should not be allowed to run with or sleep with older hogs.

It takes from 1 to 1½ pounds of honey to make one gallon of vinegar.

Weeds that die young are the only kinds that you ought to have on your place.

Clover should not be plowed in until the second year, when it is fully grown.

Muriate of potash should not be applied to sugar beets, tobacco, or potatoes.

A considerable number of the best dairy farmers brush and curry their cows daily.

It is a well known fact that cattle without horns are much more docile than with horns.

The churn should not be more than half full of cream when beginning to churn.

The New York Experiment Station, at Geneva, reports in favor of drill planting potatoes.

Good milking is of the greatest importance, as it helps to develop the milk secreting organs.

Mulching hoed crops with straw, leaves, or other litter, is a simple and cheap safeguard against drouth.

It is important in breeding to have the service of the best bulls; they should always be better than the cows they serve.

Hop vines, once attacked by the louse, should be burned in the fall of the year; or at least thoroughly drenched with kerosene emulsion.

Wood ashes contain mostly lime, next potash, and a little phosphoric acid. It is an excellent fertilizer for clover. All

the way from twenty to an hundred bushels to the acre may be used with safety. Apply as soon as the seed is sown and harrowed in.

Judiciously fed roots often act as a corrective to the other more concentrated foods, and their use in moderation is strongly to be commended.

Give pigs more humane treatment and care, a liberal supply of proper food at regular times, and after that you must trust the pig to yield a profit.

With the soil kept sufficiently moist to render soluble the required amount of plant food, grain yields will be greatest during seasons having the most sunshine.

In purchasing dairy implements two questions should be considered: Will they lessen the cost of production? and, Will they improve the quality of the products?

Fruit trees making a yearly growth of from six inches to one foot do not need nitrogen; but are usually benefitted by a moderate application of potash and phosphoric acid.

In Michigan seed potatoes are planted thus:—Single eyes twelve to fifteen inches apart; half potatoes, two feet apart; whole potatoes, two and one half feet apart. This applies to drilling.

Be careful to keep in your eye the weak points of your ewe flock, and, when selecting the ram, endeavor to correct them. It must be remembered that, in breeding, the male element is of the greatest importance.

The excellence of the Jersey cow is unquestionably due to the parsnips which are fed to them in the Channel Islands. American dairymen should not miss to grow a bountiful crop of carrots and parsnips for good butter next winter.

The supply of crisp and juicy radishes may be kept up through the season by the simple method of dropping a seed at every place from which a root has been taken. Fill the hole up a little with fine earth and drop the seed in the usual manner and cover it.



**Farm Irrigation.**

The absence of rain at critical times is a common experience in farmwork, and the losses are something enormous, especially in regard to the small fruits and the grass crops. To avoid this risk and loss is a matter for serious thoughts by all concerned. Irrigation is a sure remedy for this disaster. A great many farmers have the opportunities in their hands for getting a supply of water at a nominal cost at the first, and no cost thereafter as soon as the first preparations have been made to conduct the water where it is wanted. Thousands of streams flow uselessly through farms on which the crops are reduced every year fully one-half for the want of water. It is a small matter to build a dam in the dry time, after the most important work is done, and to make the ditches to carry the water where it is to be used. A farmer in New York has done this, and he says with a small pond made by a dam six feet in height he is able to supply an eighty acre farm with water, so that full crops of grass, sweet corn, and other market vegetables and small fruits are made every year, and that in many year's experience as a farmer he never yet knew a year in which the rainfall in New-York was sufficient to produce one full crop. His plan is to carry the water in ditches to the main distributing ditches, and thence in furrows from the main ditches between rows of corn, cabbage, berries, &c. He takes the water from the main ditches and uses it from day to day where most needed, some days on one end of the field, other days in the middle or other end. Where the soil has very much muck in it, much is done by the seepage of the water.

The water is not run over the surface, but into deep furrows, and held there till the soil is well wet.—*N. Y. Times.*

**NEW STEEL KING BALER.**

We give on another page an illustration of one the great improvements of the age, now in practical use by hundreds of farmers in this country. It is a new hay-baler, manufactured by the Whitman Agricultural Company, of St. Louis, Mo.

This implement is made almost entirely of steel, and all the objections urged against the cutting of bolts by the sharp steel plates have been completely overcome; also, the danger supposed to be in the dropping of the dividing blocks in all previous machines has been perfectly remedied.

Every convenience needed, and such as were suggested by practical men, have been promptly canvassed and wherever experts have approved, they have been incorporated into this machine. It is a wonderful piece of mechanism, and does an amount of work which fairly astonishes those accustomed to slow moving presses. Their agents in Baltimore can give all necessary information as to prices, terms, etc.

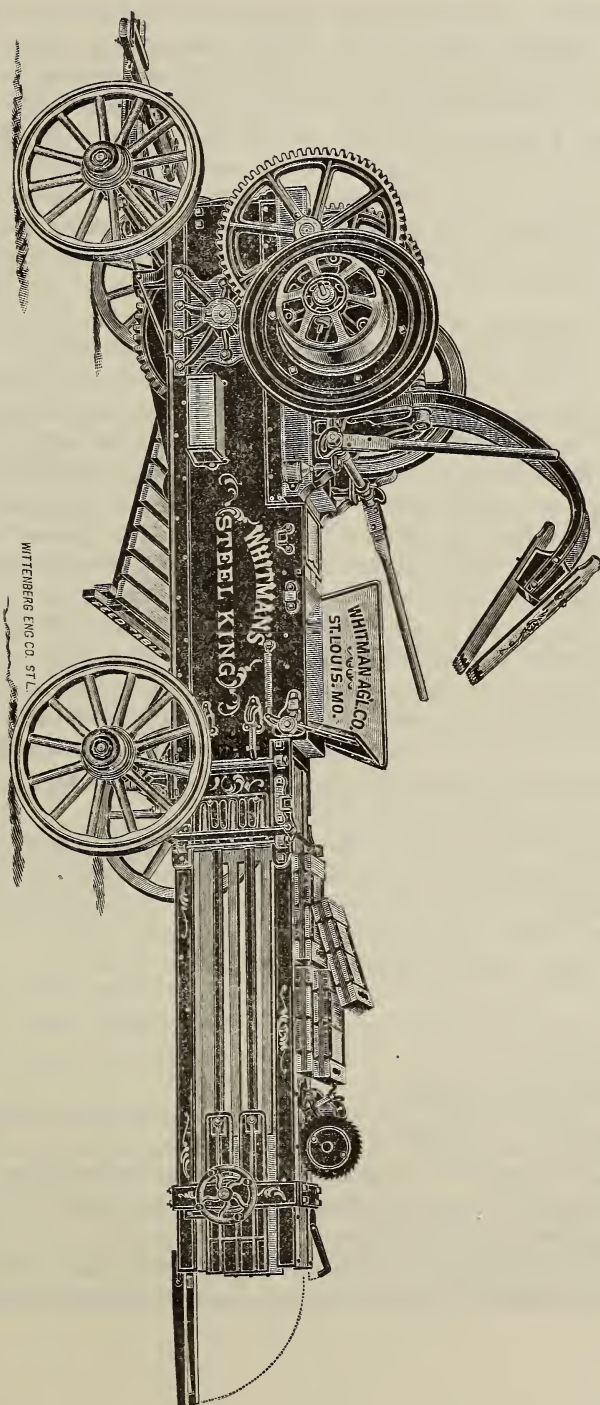
For The Maryland Farmer.

**THE HORSE.**

BY N. J. SHEPHERD, ELDON, MO.

In a good horse the action must be light, easy, free and straight. Freedom to move along easily is a great point in a young horse, and a horse that crosses his legs in walking or trotting is unsafe. To ascertain whether a horse's action is true and straight stand behind as he

NEW "STEEL KING" BALER.



moves away from you. A good walk is very essential. If a horse walks well he will usually trot well; but a horse may be a fine trotter, but a poor walker, and if he is not a good walker he will not be a pleasant animal to ride. Reject a horse which is straight in the shoulder and long from the point of the shoulder to the upper part of the fore arm, as this places the fore legs too much under the horse and makes him unsafe to ride. A horse with a narrow or shallow chest or one with his fore legs close together will not be long winded; for the reason that there is not sufficient room for the lungs. If the fore legs are not straight they will not stand wear. If the horse is light below the knee the animal will be weak. A good horse should not be split up too far behind; propelling power comes from behind and a horse will be deficient in this respect unless there is a good muscular development between the thighs.

In measuring a horse or judging by his size and height by sight, be sure that he stands on a level with yourself. Reject a horse for any one real bad point as the greatest strength of a horse is limited by his worst point. The selections should always begin by rejection for bad points.

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For the Maryland Farmer.

#### PRICES AND PROFITS.

BY ALBERT E. ACWORTH.

It is the cost of production and the rapidity of sales, rather than the price it brings, that give profit to the producer. A profit of  $1\frac{1}{2}$  per cent. a quarter is equivalent to one of 6 per cent.

once a year. With the merchant, it enables him to keep always seasonable goods, and thus increases his chances of selling and he avoids the loss from dead stock. Not so with the farmer, or at least with the great majority, who must sell twice a year at the risk of glutting the market, and getting bottom prices; all of which is studied and provided for by the middlemen of the cities. It is their business to buy low and sell high, for in that is their living.

In all goods that are imported from abroad and that pass through from 2 to 6 or more hands before reaching the consumer living expenses for each one must be added, so that they reach the consumer at a far greater price than a home article that necessarily passes through fewer hands.

The cost of a farmer's living is always underestimated, since he generally gives no price to the articles he raises; yet, as the bulk could be sold at a price above the cost of growing and marketing, however small, they are worth that much to him.

A thrifty pine thicket may be cut once in 20 years, and other woods proportionally, so that even his firewood has a cost to the farmer beyond the price of cutting and hauling. The day has been when these two items were greater than their market value, but splinter mills and railroads have changed the conditions.

The relative position of groceries and dry goods, including shoes, have changed so that what used to be the greatest has become the least cost. With more than half the population off of farms and in villages, towns, and cities, rents have come to the front, and the man of mod-



erate income feels them and their wives (light and water) as an incubus from which he cannot escape, and thus these have reduced his grocery bill to a minimum. The United States Finance Reports help us to the price of groceries; they give us the price of sheetings and drillings; but do not help us to those of the woolen goods that we wear, or use on our beds.

Then it will be seen at once that a farmer is in a chaotic condition so far as prices and profits are concerned. It is doubtful if a single farmer in Maryland really knows how much it costs him to live, in the view we have taken.

Every hour taken for crops that do not sell, is that much taken from those that will, lessening the area devoted to them, and always taking away the manure that ought to be given them.

#### FOR THE SEASIDE.

##### Swimming Don'ts.

Of the numerous deaths by drowning recorded each day during the hot weather, many, perhaps a majority, could be avoided by attending to a few simple rules. These are some of the rules:

Don't go into the surf above your waist if you cannot swim.

Don't go in at all if you are told there is danger.

Don't think you know more about the sea than the oldest man on the beach.

Don't imagine because you can swim a little that you are stronger than an ocean wave.

Don't imagine that sky, ocean, sand and warm weather were invented to let

you display your graceful form. Display as little as is compatible with comfortable swimming.

Don't imagine that the swimming is better five hundred yards from shore than it is just outside the breakers. It is not.

Don't imagine that those who beg you not to go so far really admire you in their hearts. Their thought really is that you are silly and ostentatious.

Don't forget, if you are really a good swimmer, that good swimmers are drowned oftener than poor ones.

Don't suppose that because sharks and Hermann Oelrichs can swim all day that you can swim an hour.

Don't go in within two hours after eating. Swimming on a full stomach is often followed by cramps and drowning.

Don't take out beyond your depth any man, woman or child who cannot swim. You may risk your own life, but you ought not to risk another's.

Don't try to persuade a weak swimmer to go out farther than is safe. Ridicule has made weak men risk and lose their lives. That sort of a thing is too much like murder to be pleasant.

Don't start to swim out to a boat, it may be drifting.

Don't climb upon fish net poles. You may annoy the fisherman and the nets may catch your toes and drown you.

Don't stay in the water one minute after you feel chilled.

Don't try to stay in as long as a fat man or a fat woman if you are thin. Reflect that you are more refined and have no blubber to protect you.

Don't fail to learn to swim this season.—*N. Y. World.*

"THE ONLY SUCCESS."

# The McCormick Corn Binder

LIGHT DRAFT—CLEAN WORK—SQUARE-BUTTED BUNDLES



Chas. McKissick, Supt. "Mayville Farm," Mayville, N. Dakota, says:

"It solves the question of handling corn."

Wm. E. Dana, East Avon, N. Y., says:

"I cut 24 acres of corn ranging in height from 3 to 14 feet."

P. F. Huntley Jr., Le Roy, Minn., says:

"Just what is wanted in corn districts."

A. S. Cotton, Manager "Sanitarium Farm," Clifton Springs, N. Y., says:

"Cuts and binds all corn—slightly lodged and tangled, as well as standing. Have tried many corn harvesters. The McCormick is the only success."

N. H. Leonard, Spring Valley, Minn., says:

"Binds the corn in great shape, with nice square butts for shocking."

Levi Wambaugh, Waterloo, Iowa, says:

"It works well and to my entire satisfaction."

J. R. McCullough, Solomon City, Kan., says:

"Two men and two horses can cut, bind and shock 12 acres a day."

John L. Taylor, Owego, N. Y., says:

"I cut 50 acres of ensilage corn (some of it very heavy). It is a machine which all ensilage growers must have."

WHAT WE  
SAY WE DO  
WE DO DO

Manufactured by McCORMICK HARVESTING MACHINE CO., CHICAGO.

## MCCORMICK.

The following from one of our best English exchanges tells so good a story, and in such an excellent way, that we transfer it to our columns:

In no class of farm machinery is a near approach to perfection more desirable than in the mowing machine, as breakdowns and delays due to imperfect construction or material entail vexations and loss of time, as well as expense, at the busiest season of the year. The wellknown

McCormick Co., claim to have produced a steel mower, which while fully half a horse lighter than those in common use, is constructed on true scientific principles from specially selected materials throughout, so that failures or breakdowns in the heaviest crops and on the roughest land are, with ordinary attention, entirely avoided. Great improvements have been made in the design and simplification of the main frame and gearing, and also in the cutter bar and knife; but perhaps the advance is most marked in the Hickory



connecting rod, which can neither "bind" nor break, and in which provision is made for taking up the wear on the knife head.

The McCormick steel mower was awarded the highest and only prize at the official field trials in connection with the recent Chicago 'Universal Exhibition' and the judges report stated that this mower was found to be "a splendid example of the highest contemporary state of the art in design, construction, operation, and economical performance." The mower, thus reported upon was one of the regular trade machines, and in no way specially prepared.—*The Cable*.

We hear that this company are not satisfied with standing thus high with mowers and reapers, but have taken hold of the harvesting of corn, and are manufacturing a fine implement for that purpose. The following is the definite announcement:

The McCormick Company are building a corn harvester and binder, which is as great a success as their grain harvester. It is highly commended by practical farmers who have seen it work, and although thousands of them will be built this season, the demand promises to out-run the supply. Those interested will do well to make further inquiry at once, either of the nearest local agency, or at the general offices in Chicago.

#### INOCULATION AGAINST STINGS.

BY REV. E. T. ABBOTT.

"Mr. Herbert Smith writes us that in his experience particular parts of the body may become temporarily inoculated against insect stings."—*Insect Life* published by the Department of Agriculture.

This is in line with my own experience, and I suppose many observant bee-keepers have noticed that after they have been working at the bees for some

time and have been stung several times on the hand that a thrust at that point causes very little, if any, pain. Mr. Smith says that in picking specimens of wasps from his net, "The fore-finger of the left hand was stung so often that it lost all susceptibility even to severe stings, and it remained so for two or three years."

Prof. Riley, as quoted in another article in the same publication, says, in speaking of scorpions: "The effect of the sting upon a person diminishes in virulence with repetition, and may become innocuous." He further says, "They are dangerous in proportion to the state of irritation they may be in." Is it not possible that here may be found the reason why a sting from a bee is some times so very painful, and even fatal? I know we generally say it is the condition of the person who is stung, or the location of the wound, but is it not possible that the more excited the bee becomes the more virulent the secretion of the poison-sac? If this theory be correct, it will explain why it is that a number of stings frequently have no injurious effect, while at another time a single sting may prove fatal.

In the line of remedies for the sting of the scorpion, Mr. Smith says: "My wife was stung by a small one in the West Indies; the wound was on the end of the fore finger and was exceedingly painful. By the advice of a servant, she held the finger for an hour in hot sweet-oil mixed with an equal measure of laudanum. There was no swelling, and three hours after all pain had, left her. This remedy is a popular one in the West Indies and the result seems to show that it is good."



It may prove equally valuable as a treatment for a bee sting, and is worthy of a trial in severe cases.

Here is another explanation as to the cause of some persons being peculiarly affected by the sting of a poisonous insect. At first it would seem to contradict the first theory, but the truth of the matter would seem to be that a person in good health is better prepared to resist the ravages of the poison of any kind of an insect. This being true, dissipated fellows would better keep away from bees. Here is what Dr. Aaron has to say on the subject, as quoted from the article mentioned above:

"I am convinced that no healthy adult need have serious alarm from the bite or sting of one of these creatures, although, as I have more than once found out to my cost, their poisons are the cause of much and excruciating pain. Leprosy, yaws, the malignant forms of syphilis, are all very common among negroes, mestizos and half breeds in the American tropics, and it is among such subjects that the poisonous insects and minor poisonous reptiles find their victims of serious poisoning and death. But a man in good health, with pure blood and of good habits, will, in every case (in my opinion), throw off their effect in from one to five days."—*American Bee Journal*.

#### Bee Notes.

The following items are taken from some instructions to beginners written by the veteran bee keeper, Chas. Dant:

The honey harvest lasts but a few days, or at best but a few weeks, so you must be ready for it when it begins.

If you extract the honey from the combs and return them to the bees to be filled again, you will harvest more than twice as much after you have a sufficient supply of empty combs to keep your bees at work.

It pays to have an extractor, and use it, if you have but four hives of bees.

Honey should not be extracted when first harvested, as it is watery, unripe and will sour. Give the bees time to ripen it, and keep them at work with sufficient room.

When bees are hanging out in front of the hive, it shows that they are uncomfortable in it or have no room. Give them air, shade or room, as they may seem to need.

If you give the bees a good supply of empty comb before the beginning of the honey crop and keep them at work, they will rarely swarm. But if they once find themselves crowded and get the swarming fever, nothing will keep them from swarming.

When making artificial swarms raise your queens and drones from the best colonies.

A queenless colony will raise queens at once if it has larvæ less than three days old, and these queens will hatch within ten or twelve days.

The old queen always goes with the first swarm, unless she is unable to fly.

#### HOW'S THIS!

We offer One Hundred Dollars Reward for any case of Catarrh that can not be cured by Hall's Catarrh Cure.

F. J. CHENEY & CO. Props., Toledo, O.

We the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by their firm.

West & Truax, Wholesale druggists, Toledo, O.,  
Walding, Kinnan & Marvin, Wholesale Druggists  
Toledo, Ohio,

Hall's Catarrh Cure is taken internally acting directly upon the blood and mucous surfaces of the system. Price, 75c. per bottle. Sold by all Druggists. Testimonials free.

Compiled for the Maryland Farmer.

### INTERESTING ITEMS.

The State of Massachusetts has 200 millionaires.

It cost \$835,000 to run the Weather Bureau this year.

The skeleton alone of an average whale weighs twenty-five tons.

The field of Waterloo is covered with a crop of crimson poppies every year.

Miss Winnie Davis's forthcoming novel will be called "The Veiled Doctor."

If a match is held to a celluloid billiard ball, the ball will catch fire and burn.

Germany is now the only country whose universities do not admit women students.

Internal revenue receipts for the month of May 1895 from tobacco were \$2,636,096.40.

The pepsin sold in chemists' shops is prepared from the gastric juice of the hog's stomach.

On the 30th June 1895, according to the treasury statement, there was \$512,338,750 in silver stored in Government vaults.

Mr. J. H. Hall, of Hartford, Conn., has a peach orchard at Fort Valley, Ga., of 600 acres and 10,000 trees, all in full bearing.

The Southern Stock Farm states that there are in the State of Kansas twenty well built towns without a single inhabitant.

A carp taken out of the water may be kept alive for over twelve hours by a piece of bread soaked in brandy placed in its mouth.

The largest tobacco factory in the world is going to be built in St. Louis. It will cost one million dollars and cover 20 acres of land.

Experiments are being made in the German army with the use of an aluminum pontoon. It can easily be carried by four men.

The harp is said to be the first musical instrument on record, and has been traced from the shadows of mythology to the present day.

The share of land falling to each inhabitant

of the globe in the event of a partition might be set down at twenty three and a half acres.

The German Empire has a total frontier length of 4370 miles and is about one third larger than California, or rather more than three times the size of Missouri.

A committee is about to meet in Berlin, to examine plans for a line of railway through German East Africa from the lakes to the sea-coast.

It is stated that Dr. Dertillion has discovered a new method for identifying handwriting by enlarging the letters by photography and measuring the alterations due to beating of pulse.

Among the recent patents is one of an aluminum horse shoe with finely divided particles of hard metal embedded in the wearing face of the shoe. This forms a light shoe, of considerable durability.

From the Chattahoochee river to the Alabama line towards the north, the Georgia woods are full of huckleberries. One man in that section has paid out already \$8,000, for huckleberries and on the outlay has realized a handsome profit.

It is said that the Russian Thistle was first introduced in the United States about 1873, at Scotland, Bonhome county, South Dakota. This county has a settlement of Russian Jews. It is thought the plant was introduced by them through impure flax seed.

Twenty-four carat gold is all gold; 22 carat gold has 22 parts of gold, 1 of silver and 1 of copper; 18 carat gold has 18 parts of pure gold and 3 parts each of silver and copper in its composition; 12 carat gold is half gold, the remainder being made up of  $3\frac{1}{2}$  parts of silver and  $8\frac{1}{2}$  parts of copper.

History records that the only time a Highland regiment ever ran from the enemy was at the battle of Cowpens in the Revolutionary War when Col. John Eager Howard, commanding the "Old Maryland Line" charged the Frasers 71st. regiment of Highlanders with the bayonet and put them to rout. Col. Tarleton was blamed by the British for this defeat.

#### As to Ripening Cream.

In reply to an inquiry as to the difference between churning ripened cream and sweet cream, we quote the results of a very carefully conducted series of experiments made by Mr. Babcock and reported in the fifth volume of the Wisconsin station reports.

1. Ripening cream increases the yield of butter from 15 to 20 per cent. over the yield from sweet cream, provided they are churned in the same way.

2. Ripening cream seems to have no influence on the time of churning.

3. Mixing sweet cream with ripened cream, just before churning, does not result in any advantage to the sweet cream, the same loss being incurred as when it is churned separately.

4. The same increase in yield of butter produced by ripening the cream may be obtained by the addition of acid to sweet cream just before churning.

5. There is no appreciable difference in the quality of butter made from sweet cream, ripened cream and acidified cream.

On the other hand, advocates of sweet cream churning hold that sweet and ripened cream should be churned at different temperatures.

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#### Mending Milk Cans.

Milk often gets very hard usage on carts and railway platforms, and it is no small part of the hardships of the owners to keep the cans in order. Bits of dough have been used at times to stop leaks discovered when it was too late to have a solder application to the bad place, and cases have been known where soap has been used for such a purpose.

But one is prone to ask if there are not other and more cleanly and durable means available for stopping leaks and coating over the rust spots which will appear on milk cans. Beeswax would cover the injured parts, and would not injure the milk. But soldering is such an easily learnt accomplishment that every dairyman might be able to help himself in that way.

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#### Selecting Heifer Calves.

Almost from its birth an expert in judging of cows can decide whether a heifer calf will be a profitable cow or had better be turned off to the butcher for veal. It is not altogether a matter of pedigree. The signs of a good cow are a rather thin neck but a deep chest, and the peculiar velvety feel of the skin that can only be made certain by experience. The marks of the escutcheon on the heifer are plainly distinguishable by an expert, though they may not show so that ordinary observers can see them. It sometimes happens that the heifer which gives signs of a good cow at first runs to beefiness after her first year. This comes from feeding food that is too fattening, and which has not enough succulence. There is either progress or deterioration in dairy qualities in the cow from her calfhood up. The best milkers are usually those who are bred earliest, but after the first calf it is well to keep the heifer from breeding for a full year, in order to develop greater vigor of constitution, which is impaired by too early breeding.

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Our advertising pages contain many new announcements, read them carefully.



## Proverbs.

When the swallow's nest is high  
The summer is very dry:

When the swallow buildeth low  
You can safely reap and sow.

Fish bite the least  
With wind in the east.

"A warm wind has a cold tail."

## Persistent Milkers.

Persistent milkers are the cows for profit. Cows that go dry four or five months before calving, are thought by many farmers to be of more profit than cows that give milk up to within a month of calving. A cow milked nearly the year round if fed on milk and fat producing rations, and fed enough so she will keep in good order, will do better during the heaviest of the milking season than those which are dried off. Then the persistent milker is a profit to the farmer, or at least is paying her way, while the dried off cow is getting in debt for her keeping. I believe in persistent milkers; and I find heifers that are milked until nearly calving time grow into persistent milkers if fed and cared for well. One summer we milked five two-year old heifers. When cold weather came on, the cry was: "They must be dried off or they won't be worth anything next summer." They were dried off, and consequently they dried off very early every year we kept them. We have one of the number yet, kept for her extra qualities as a butter cow. I have tried to keep her to her milk, but it is no use. She insists on holding up her milk, and dry off she must and does. I have a five year old cow that I have milked to within eight weeks of calving, and she has done the best of any cow on our place. She gives a large

flow of milk, and has yielded 800 pounds of butter this last season. She had grain during the winter and spring.—*N. Y. Tribune.*

## Paris Green Injurious to Tobacco.

Experienced tobacco raisers say that "Paris green" is injurious to tobacco, and one farmer informs the editor this week, that he had three acres of good tobacco almost ruined by putting on Paris green to kill the worms. He says further that it is cheaper to have the worms picked off.—*Louisburg, N. C., Times.*

## HOW THE SCALE MAY SPREAD.

BY F. H. WETMORE.

A short time ago I was examining a box of California oranges, and discovered a small round scale on them. I procured a strong magnifying glass, and I believe it was the true San Jose scale. Every orange in the box was infested with it. Has Professor Webster or the Editor of "The Farmer" examined any California oranges? If not, please do so and report. I believe this pest will be spread in this way. People buying oranges, ignorant of the scale on them, will carelessly throw the skin out, perhaps near some apple or pear tree, and thus it will spread.

I also examined a box of lemons in the same fruit-store and found them literally covered with the Florida scale or oyster-shell bark louse, as some call it. It costs the orange grower of Florida thousands of dollars every year to fight against this pest. If these two scale insects get disseminated through the apple growing districts of the United States,

as the scale is in Florida on the orange groves, it will mean the final deathblow to the apple industry.

Many hundreds of acres are being palnted to orchards in this State annually. One man cleared fifty acres of new land this year, to be planted in fruit trees. He will plant it to apple trees, two rods apart each way, then will plant peach trees in the centre of the square. He plants part of it this spring and will set the remainder next fall and winter, as fruit trees can be planted at nearly all times through the winter in this climate, except sometimes, a day or two at a time, when it freezes too hard to handle trees. We know one man who planted 500 of the Yellow Transparent apples. This is the earliest apple ever introduced, and the best of all the early apples; it begins ripening here June 15. It is of Russian origin and very hardy. Coming from such a cold climate as it does, it seems strange that it should do so remarkably well at the South. I have had two-year-old trees in the nursery bending over with fruit.—*Ohio Farmer.*

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#### Still the Same.

The man who sighs for the happy day  
When a barefoot boy he ran,  
Is the same old boy who used to say  
"I wish I was a man."

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#### Buckwheat.

Buckwheat (*Polygonum fagopyrum*) thrives best in dry, loose, sandy soils that are open to the effects of the sun. The seed—which is really the fruit, a small triangular nut—is usually sown broadcast on account of the convenience of

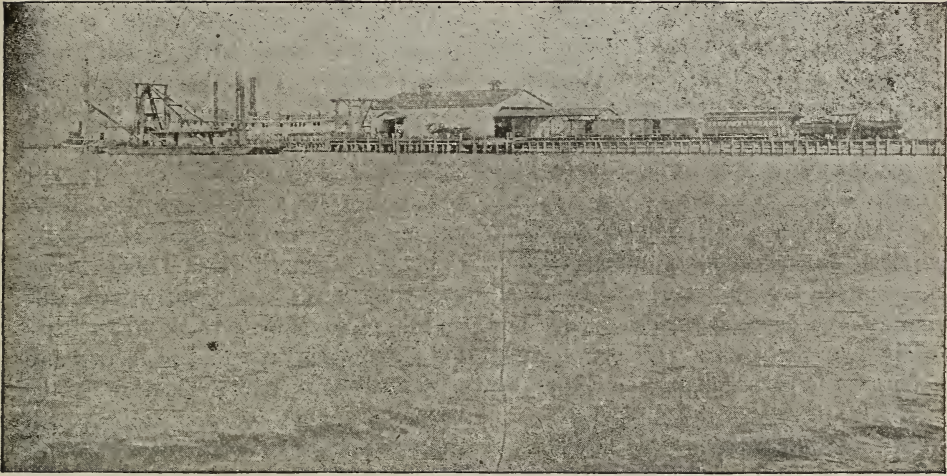
cutting it, and the quantity sown per acre varies from one to three bushels. Buckwheat says a writer in the "Field" requires but little manure, and is excellent food, either for soiling purposes, or for winter store. When given in moderation to horses, mixed with chaff, it will get them into fine condition, but if used in excess it is apt to cause their legs to swell, or cutaneous eruptions to break forth. It increases the flow of milk when given to cows in a green state, and sheep do well if folded upon it when it is in flower. Swine can only eat sparingly of buckwheat, or otherwise they are liable to be covered with scabby eruptions. Poultry and pigeons are particularly fond of it; the very fine flavor of the poultry in the South of France is said to be caused by this grain; it is the favorite food of pheasants, whether wild or tame, and they do remarkably well upon it. A variety known as the Siberian buckwheat is little affected by severe cold, and will thrive in the poorest soils; the grain of this variety is heavier, and more palatable.

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#### Railroad Rate to Atlanta Exposition.

Rates to the Atlanta Exposition have been fixed by the railroads. The basis is approximately one cent per mile on distances of two hundred miles and over, and is the lowest rate ever given an exposition, being little over half those made to the World's Fair at the outset. The railroads profited by their experience at Chicago, where rates made too high at the outset held back the people, and the fare was reduced. Here it was decided to reach the lowest at once and make the attendance uniform.—*Southern Tobacco Journal.*





CLAIBOURNE.

**VIEWS ON THE EASTERN SHORE.**

We have been in favor of circulating views of different localities in our State, that persons in other States—our Maryland Farmer has a wide circulation through the northern and western sections of the country—may see glimpses of the soil and the country, and become better acquainted with the resources of this Garden State of Maryland.

The Baltimore, Chesapeake and Atlantic Railway has opened up a beautiful region of country from Claiborne to Ocean City, and it is now rapidly undergoing a development which gives promise of far reaching prosperity to the farmers and truckers of that region. We have been trying to obtain some good illustrations to give to our readers and have this month made a commencement. Claibourne, being the first station, where the transfer is made from the boat to the cars, after a three hours' sail down and across the beautiful Chesapeake Bay from Baltimore City, is the view on

this page; while, on another page, is shown a causeway near the Atlantic end of the route, before reaching Ocean City—giving a view of Cypress Grove on the border of Pocomoke River.

The land on this route is generally level; but of remarkable fertility, or quickly responsive to fertilization and tillage. As a general thing it has not been given a deep and thorough cultivation, and the sources of fertility for all crops only need a more systematic exposure to the agencies which bring the stores of unavailable elements into an available state. Turning up the soil to a greater depth, stirring and intermingling it thoroughly, the air, the sunlight and the carbonic acid of the soil itself will do a great and good work of enrichment. And this work on the soil of this region is like play, compared with the toil in other States, when eight or nine inches in depth is stirred. This entire region has a great future in store for it.



For The Maryland Farmer.

### SOURCES OF MANURES.

Perhaps no subject is of greater importance to the farmer than the proper preservation, the gathering and disposal, of such manures as may be naturally connected with his farm. Something must be done to lessen the heavy expenses connected with enriching the land, if the season of prosperity among farmers is expected ever to return. This certainly is a most desirable object, and only by a thoughtful canvass of every source of fertilization on and about the farm can it ever be accomplished.

It has been too much the habit of farmers to depend for enriching their lands on what outside parties may approve, and as long as their money lasted all kinds of experiments have been tried, and the land has been dosed with every compound which interested theorists have proposed.

But the farmers' money has disappeared, and all these experiments must be dispensed with; and the farmer must look at home for such manures as belong to his farm, and may be provided without a large outlay of hard cash.

With a little thought he can find a very large amount of fertilizing matter ready for his use and the sources are so numerous that only the principal ones can be mentioned here.

Stock is one of the best resources, horses, cattle, swine, sheep, poultry, if properly cared for will supply a large quantity. It is hardly necessary to speak of the quality of it as long experience of every farmer will assure him that, everything taken into the account, this is the best quality that can be procured. We wish more particularly to

speak of its quantity. One cow, according to the best authorities, will supply enough first class fertilizer for three acres of grain. With thorough preliminary working of the ground and thorough tillage of the crop, it will be enough for three acres of corn or potatoes. It will be seen, therefore, that not a very large amount of stock of this kind is necessary on an ordinary farm. The horse, according to these same authorities, will amply supply one acre with fertilizer for any ordinary crop, and horses are both a necessity and a pleasure on the farm. Ten hogs we are assured, will supply a large two horse, wagon load of No. 1 fertilizer every two weeks, only dependent upon the supply of suitable material out of which to manufacture it. The sheep are renowned for the value of their droppings and poultry will give a bushel of the best annually for every head kept.

Thus the sources from stock become of immense importance. It is not very far in the past when these sources were husbanded with great care, and farms were carried on with large profit, and no one ever heard or spoke of "abandoned farms." It was only when the new scientific theories of fertilization became so popular, and the fertilization cost in money annually more than the land would sell for, that abandoned farms became noticeable. In my young days, it was often said that land worth \$100 an acre was too valuable for general farming purposes, as it would not pay for labor and 6 per centum on the money. Now, three times that interest is often demanded per acre for scientific fertilization on ordinary farm crops. "Abandoned farms" has become a household by-

word in many scientifically farmed States. Let these sources from stock, then, become of first thought with the farmers of to day, and a great reform will be inaugurated in the expenses of fertilization with the very best results.

Another source of manure, which does not require large outlays of cash, but which results in very large profit, is in the growth of certain fertilizer crops, to be turned under in their green state, and incorporated with the soil.

Taken, the country over, clover is perhaps the principal crop now used for this purpose. In this region, because of its quick maturity, crimson clover is of prime value, sowed in August and turned under the next Spring. But as a crop in rotation the common red clover still holds its first place. Clover followed by a root crop, then by a grain crop, and back to clover making a fine rotation—the barnyard manure spread on the clover sod when that is turned in. The very best farms, in the sense of most profitable, are worked on this, or some similar principle. It reduces the cash outlay to a minimum and brings up the cash profits to a maximum. This should be the object of the farmer of to-day until he can stand free from debt once more and feel himself an independent man.

But I fear this article may become too long for popular reading, although the subject may well be discussed at considerable length as it is vital to the farmer's prosperity. W.

#### Fifteen Millions for Eggs.

In a single photographic establishment in England 2,000,000 eggs are used

every year; while the number in calico printing, leather dressing, and, we believe, bookbinding processes must almost exceed the number used as food. How are the wants of Britain supplied? Our eggs are not manufactured, as an ingenious myth some years ago affirmed was the case. The simple explanation is that they are imported.

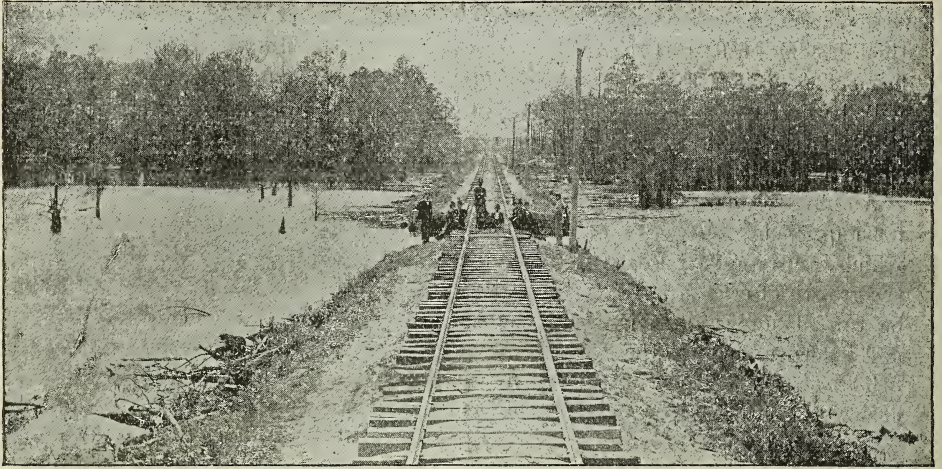
The extent to which they are brought across the sea is shown by the fact that last year we paid £3,000,000 to foreign farmers for eggs, every pound of which might have remained at home for the British agriculturist's benefit. An annual outlay of £3,000,000 means that the eggs for which this was paid must have come into our ports at the rate of more than 3,250,000 on every working day. To this branch of the British commissariat France contributes most largely, Germany and Belgium coming next.—*All the Year Round*.

#### ONLY "RARE" SEEDS.

The Practice of Distributing Those of Common Varieties to Be Discontinued.

The usual general distribution of seeds of common varieties by the Agricultural Department will not take place next year. An opinion was given by Mr. Olney when Attorney General that as the law provided for furnishing "rare" seeds for scientific purposes Secretary Morton was not compelled to expend the appropriation made in distributing common seeds. Secretary Morton has always opposed the general free distribution of seeds of common varieties, which has become one of the regular duties of the Agricultural Department and of Congressmen, and under the authority





CYPRESS GROVE, B. C. &amp; A. R. R.

of the former Attorney-General's opinion during this fiscal year he will begin a reform and supply no seeds save rare seeds for scientific purposes.

For the Maryland Farmer.

**ADDRESS BEFORE THE ALUMNI  
OF THE  
MARYLAND AGRICULTURAL  
COLLEGE.**

BY R. B. B. CHEW, JR.

Gentlemen of the Alumni Association:—

Owing to the lateness of the hour at our last meeting, a year ago, I was prevented from acknowledging, except in a few words, the unexpected compliment you paid me in electing me to be your President, and in making some remarks before the Association this evening I shall endeavor to inaugurate the custom of expecting each retiring president to deliver an address at the expiration of his term of office.

The remarkable growth of agriculture in the State, its immense progress in the last half century, and the rank it has taken as an applied science led to a desire on the part of the farmers of Maryland for the organization of an Agricultural College. Accordingly this College was incorporated by an Act of the Legislature passed March 6th, 1856, authorizing the nine following commissioners to effect an organization, namely: James T. Earle, Charles B. Calvert, Dr. John O. Wharton, Col. Charles W. Hughes, Ramsey McHenry, N. B. Worthington, W. W. W. Bowie, J. Carroll Walsh and A. B. Davis.

Hon. Charles B. Calvert, father of the present Charles B. Calvert, one of the trustees, was made the first president of the Board which consisted of 22 distinguished citizens of Maryland.

The corner-stone of the present building was laid the 24th day of August, 1858, and the succeeding year Benjamin Hallowell was elected president, and the



first session of the College opened October 5th, 1859. His successors have been Charles B. Calvert, C. W. Scott, J. M. Colley, Henry Underdunk, N. B. Worthington, C. L. C. Minor, Admr'l Franklin Buchanan, Samuel Register, Captain William H. Parker, Augustine J. Smith, Major Henry E. Alvord and Captain Richard W. Silvester.

The College farm contains about 286 acres and the Experimental Station about 30 acres. They are situated in a healthy section of Prince George's County, on the Washington Branch of the Baltimore and Ohio Railroad, adjoining College Park, the beautiful subdivision of John O. Johnson, and almost adjoining Riverdale on which stands the historic mansion, the former home of the Calverts, descendants of Lord Baltimore, now remodelled and the property subdivided and owned by a New York Syndicate. The College Buildings, on the highest hill of what was formerly, the Rossburg property of the Calverts, commanding a beautiful view of the surrounding country and the Washington Monument from the main building, are only 8 miles from Washington, 32 miles from Baltimore and about 2 miles from Hyattsville and Bladensburg.

As many do not understand the respective functions of the Agricultural College and of the Experimental Station, I will advert briefly to the several Acts of Congress making appropriations for and governing these Colleges and Experimental Stations, and before doing so state the object of the Experimental Stations, which is this: To conduct original researches or verifying experiments on the physiology of plants and animals; the diseases to which they are

severally subject, with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the analysis of soil and water; and many other researches and experiments bearing directly upon the agricultural industry of this country.

The Land Grant Act, Public Laws of the United States 1862 Chapter 130, is an act donating public lands to the several States and territories which may provide colleges for the benefit of Agriculture and the Mechanical Arts. The College receives from the sale of the land script apportioned to Maryland by this Act the permanent income of \$6,144.30, and this income can be used only for specific purposes designated in the act.

The Hatch Act is an act to establish agricultural Experimental Stations in connection with the colleges established in the several States under the provision of the above Act, and of acts supplementary thereto, and by resolution of the Board of Control of this College, July 14th, 1892, it and the Experiment Station were placed under separate executive officers and the annual appropriation of \$15,000 carried by the Hatch Act was devoted entirely to the use of the Experimental Station.

The second Morrill Act is an Act to apply a portion of the proceeds of the public land to the more complete endowment and support of the Colleges for the benefit of Agriculture and the Mechanical Arts, established under the provision of the Land Grant Act hereinbefore referred to, and to meet the provisions of this act requiring an equitable division of the appropriation which it carried between white and colored students, one

fifth of the revenue derived from this source is set aside for the use of the Eastern Branch of the College at Princess Ann, Somerset County.

Although the College has been in actual existence for thirty-six years the original intention and hope of the founders has not yet been realized, in that only one wing of the main building has yet been erected, or a third part of the structure by them contemplated, which is wholly inadequate to accommodate the students here. We should use our influence in endeavoring to obtain a suitable appropriation from the next Legislature for the erection of the necessary building.

Handicapped, as the College has been in its earlier career by insufficient appropriations, by bad management and incapacity on the part of some who have had it in charge, we believe a new era has dawned upon it, an era of remarkable success and promise. Its military department has become one of its permanent features by virtue of the Act of Congress approved July 2nd, 1862 and Section 1, Chapter 178 Acts of the General Assembly of Maryland of 1865, providing for the establishment of this branch of instruction.

The regular army has its West Point, the Navy its Naval Academy, Virginia her Military Institute, Missouri her Military College, and other States are taking initiatory steps in the same direction. Why then should not the people of this State look with pride and favor upon this very necessary feature in the education of her youth? Unlike the nations of Europe the United States maintains no vast standing army but relies for protection and defense upon her cit-

izen soldiery. It is therefore necessary to have at least a nucleus of private citizens educated in the military art to respond to the call should occasion arise. Cincinnatus, the humble Roman farmer, was called by his countrymen to be their general. And Maryland to-day looks upon her militia to defend her against domestic violence as well as from foreign invasion. Why then should not her sons, who are being taught the science of Agriculture at this well equipped institution of learning with all the advantages which the Government and State are so liberally bestowing upon it, reap the additional advantage of being taught military tactics under the able and efficient army officers who have graduated from West Point and are sent here by the Secretary of War, and thereby enjoy in a large sense the benefit, though indirectly, of the National Military Academy?

I would earnestly recommend that our association use its best efforts in the direction of having the State establish a State Corps of Cadets, as suggested by Lieutenant Grissord, the Commandant in charge, in his very able report of November 13th, 1893, to be a part of the National Guard of the State, and that a liberal appropriation be made by the Legislature for this most worthy purpose. The military education of the students of the College under the direction of the Commandants who are detailed here by the government (officers educated at West Point) should make them so proficient in tactics that as officers of the Maryland Militia, they would render valuable assistance to the State in raising the standard of the militia and in teaching the citizen soldiery the most ap-

proved methods of modern warfare and thereby enable them to keep abreast in military science with the regular army.

We should, gentlemen, urge the trustees and the faculty to aim at raising the standard of the College so that it will be second to none in the State save Johns Hopkins University; and the most effectual way of doing this is to secure graduates of leading institutions of learning who have already proven themselves to be successful instructors, as vacancies occur in the present corps of able professors. The surest way of securing the co-operation of the State is to awaken its pride in her sons who have been educated here and have attained high positions in the different walks and professions of life.

Is the efficiency of the College to day equal to what it has been in the past? Instances might be cited where students of this College have entered the first Colleges in the land, and graduated with distinction, one of which I will mention. A student of this College left it at the end of his Senior year, went to Princeton, entered the Senior Class and graduated at the head of his class at the age of 17 years and is a prominent physician in the City of Washington to-day.

Could any of the graduates who have just completed their Senior course enter the Senior class at any of the leading Universities of the Country?

It does not appear from an inspection of the catalogue of the College that there is more than one professor of pure mathematics to teach upwards of 125 young men. That is not, in my judgment, enough. There should be at least two. When I was a student here we had two

professors of mathematics to teach 65 young men. Captain William H. Parker, the President, who had taught for many years at the U. S. Naval Academy, taught the elementary branches, and also astronomy and trigonometry. Professor R. E. Nelson, a graduate of the University of Virginia and the Virginia Military Institute, Applied Mathematics; and later Professor Norwood, a graduate of Davidson College, N. C., and of the Johns Hopkins University, taught Mathematics and Latin; Professor P. H. Headden, a graduate of Dickinson College, Carlisle, Pa., and of Heidelberg, Germany, and now a professor in one of the leading Universities of the West, taught Chemistry, German and French. I mention these facts to give you some idea of the standing of the College at that time. It seems to me that there is no earthly reason why this College should not be the leading Agricultural College in this Country, as the government cannot but be ever ready to do its part in advancing an institution belonging to the State which ceded to it the territory upon which the beautiful City of Washington now stands, the pride of the Nation, the wonder of all beholders and the admiration of the world, besides making the handsome donation in money that went with that gift; and then too, owing to its proximity to Washington the Secretary of Agriculture cannot but take a personal interest in its advancement if those who control it exert their best efforts to make it worthy of his consideration and special supervision, as the splendid showing it is now making attests they are doing. Situated as the College is, between Baltimore, one of the largest and most flourishing cities of the



Union, and within a few minutes of the National Capital, whose departments, Universities, Library, Literary and Scientific Societies and Institutions are always open to them, its students should not only become scientific and eminently successful farmers but highly educated and accomplished gentlemen and practical business men.

I think a suggestion made by my predecessor, Mr. Hazen, a most excellent one, that the President be authorized to appoint a Committee of three to invite some of the oldest and most prominent members of the Association to deliver a course of lectures, say six, during the winter of 1895-96 to the students of the College and to make the necessary arrangements.

It is with pride and pleasure, gentlemen, that I could mention if it were necessary the names of distinguished lawyers, physicians, ministers, business men and farmers who have been educated here.

And I hope that all of us will bear in mind that we have a most sacred duty to perform in reference to our "Alma Mater," a duty of love and veneration which will be best evidenced by the conduct of our lives.

As the beautiful Potomac, rolling in the pride of its mighty waters, owes its grandeur to little streams in the Great Alleghany Mountains, so does the far reaching influence of distinguished men, such as Washington, Lee, Grant, Lincoln, and coming to our own beloved State, Pinkney, Wirt (who was born and raised at Bladensburg,  $2\frac{1}{2}$  miles from here), Taney, Johnson, Hamilton, Tuck and Bowie, many of whom were

farmers, date its origin from hours of solitary and laborious study, consuming midnight oil, resolutely employed in efforts of self development. And as they by their lives and characters have made an impress upon the people of this country, which should increase with the growth of the Nation, let us endeavor to follow their example in turn to those who shall come after us.

And you, gentlemen of the graduating class, who have enrolled your names as members of this Association, we welcome as brothers.

You have finished your College course with its pleasures and its disappointments. It has been said that a College is a little world in itself; and so it is; but your standing here may not mark the success or failure of your subsequent lives. Your life work really begins with your graduation, your course here being only a preparation for that work.

You have laid the foundation, good or bad, upon which you may build the superstructure of happy and successful careers.

Permit me to congratulate those of you upon whom success and honor have fallen and to extend to you on the part of the Association our best wishes.

And to you, who have been less fortunate I have these cheering words to offer. The race is not yet won. You have simply been through the skirmish, the first tilt, as it were, in life's great battle. If your standing at College has been unsatisfactory it may have been due to want of application, to sickness or circumstances over which you had no control. Do not therefore become discouraged and disheartened but resolve

from this night, as brave men, that you will yet make your "Alma Mater" proud of you.

There are many instances that I might cite where distinguished men have not succeeded at College. Let us ever bear in mind that work, indefatigable industry and a fixed, determined purpose to succeed is the only road to honorable success.

"Life is before you! from the fated road You can not turn; then take ye up the lead,

Not yours to tread or leave the unknown way,

Ye must go after it, meet ye what ye may, Gird up your souls within you to the deed,

Angels and fellow spirits bid you speed!"

## FERTILIZERS.

CONDUCTED BY H. J. PATTERSON,  
Of the Maryland Ag'l. Experiment Station.  
Contributions and Queries Invited from  
all Sources.

For the Maryland Farmer.

### THE RELATION OF GROWING TOMATOES TO SOIL EXHAUSTION

"Is cropping in tomatoes hard on the land? is a very common question from tomato sections; and it is also very common to hear many farmers of those sections remark upon the rapid deterioration of the land since tomato growing had been indulged in extensively.

Some few years ago I gave this subject special study and the results were published in a bulletin of the Maryland Experiment Station,\* but as the interest in this matter is increasing and coming to the attention, for the first time, of farmers

in many sections just beginning to grow tomatoes, it will probably be of sufficient interest to present some of the figures again.

In table (A) is given a partial analysis of the fruit, vine and root, and from these figures we obtain the amount of fertilizing matter taken out of the land by an average acre of tomatoes as shown in table (B).

Table A.—Partial Analysis of Fruit, Vine and Root of Tomato.

	Fruit + Per Cent	Vine Per Cent	Root Per Cent
Water	95.45	79.41	73.31
Total dry matter	4.55	20.59	26.69
Organic matter	4.132	16.87	14.97
Mineral matter	0.418	3.72	11.72
Pure ash		1.70	1.45
Phosphoric acid	0.046	0.044	0.059
Potash	0.269	0.389	0.292
Lime, CaO		0.546	0.373
Nitrogen	0.155	0.313	0.236

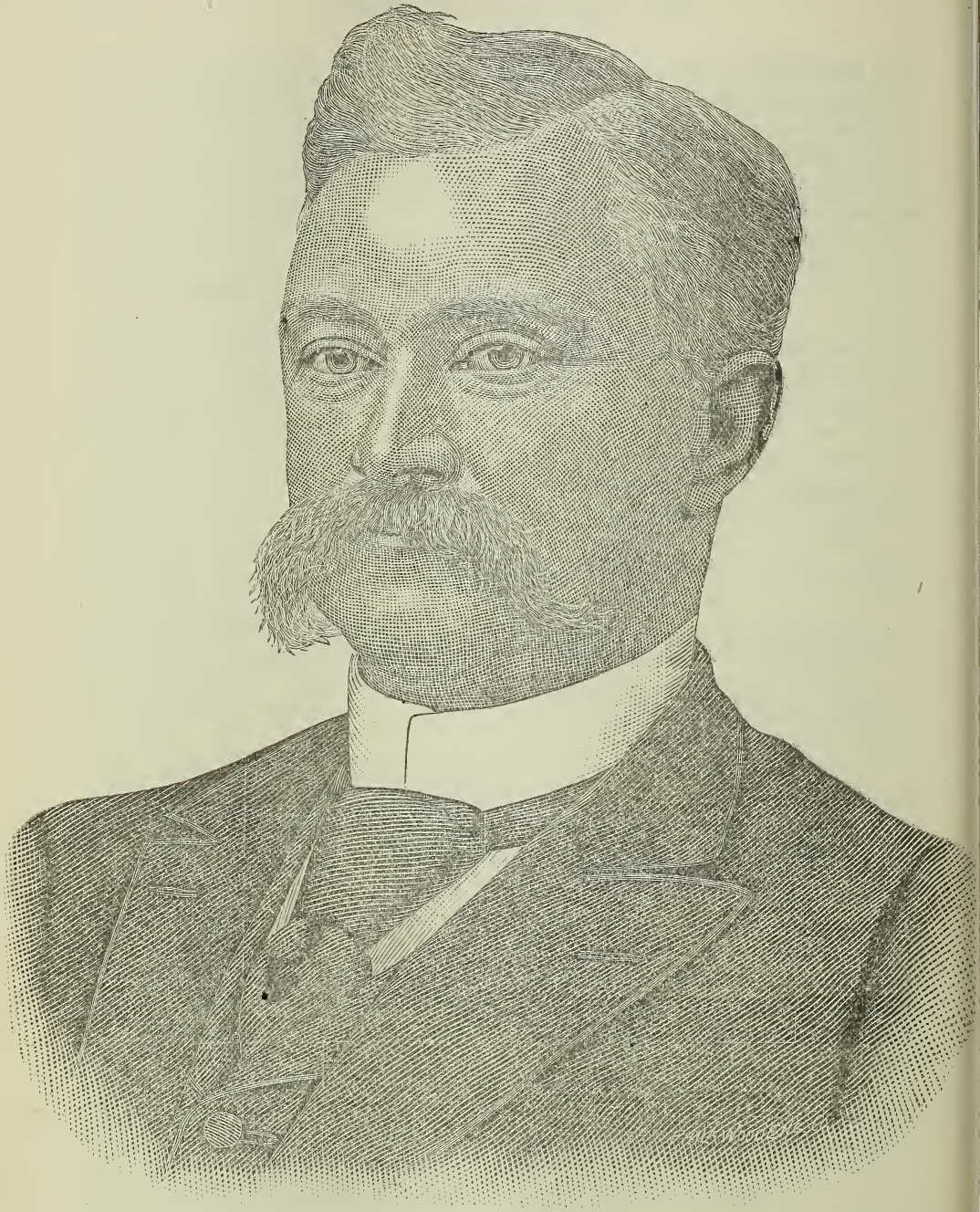
Table B.—Yield per Acre, in Pounds, of Various Fertilizing Ingredients.

	Fruit. Average crop of 1 acre.	Vines. 4 ft. by 4½ ft.	Roots. 4 ft. by 4½ ft.
Number of Vines		2420	2420
Total fresh weight	20000	7789	1210
Total dry matter	910	1604	323
Organic matter	826	1314	181
Mineral matter	84	290	142
Pure ash		132	18
Phosphoric acid	9.2	3.43	0.71
Potash	53.8	30.37	3.53
Lime, CaO		42.53	3.67
Nitrogen	31.0	28.38	2.85

From these figures it will be seen that the amount of plant food taken up by a crop of ten (10) tons of tomatoes is not very large, and the vine and root which contain about two thirds as much plant food as the fruit remain upon the ground to decompose for a succeeding crop.

In order to give a clearer idea of the relative exhaustion produced by a crop of tomatoes and other farm crops, the





HON. JOHN WALTER SMITH.



amount of plant foods in our common crops are given in table (C.)

Table C.—Approximate Quantities of the Three Valuable Fertilizing Elements in the Product of one Acre, of Sundry Farm Crops.

Estimated Crops.	Nitro. Phos. Potash.		
	lbs.	acid. lbs.	lbs.
Tomatoes—10 tons fruit	31.9	.92	53.8
Potatoes—150 bushels	30.6	14.4	52.2
Corn—50 bushels	44.8	16.0	10.4
Wheat—25 bushels.	31.2	12.0	7.8
Clover hay—2 tons	78.8	22.4	74.4
Timothy hay—2 tons	54.0	27.6	81.0
Green fodder corn—15 tons	57.0	30.0	111.0
Wheat straw—1½ tons	12.0	5.5	15.7

The above figures are not intended to show amounts of the Nitrogen, Phosphoric acid and Potash needed for the growth of the whole plant, but simply what would be removed in the parts which are generally sold. It is easy to see that different crops exhaust the soil very differently. These figures show that in this respect, the production and sale of tomatoes is not nearly so detrimental as that of many of our more common crops, and very nearly the same as that of an average crop of potatoes which is seldom considered a hard crop on the land.

H. J. P.

\* This bulletin is now out of print.

† Average of the analyses of 24 samples.

#### M. A. C. ALUMNI ASSOCIATION.

An interesting and important meeting of the Maryland Agricultural College Alumni Association took place Wednesday evening. A committee was appointed to take steps towards securing an alumni representative on the board of trustees of the institution. It is thought that this effort will meet with success. Another committee was appointed con-

sisting of Messrs. Vietch, Niles, and Buckley to arrange a series of lectures to be given at the college by members of the association. The following officers were elected for the ensuing year: R. B. B. Chew, Jr., of Marlboro, President; W. W. Skinner, Vice President; F. B. Bomberger, Secretary; J. G. Bannor, Treasurer; Executive Committee, Messrs. Vietch, Bowen, and Key. The large attendance of the members of the Alumni at the institution Wednesday is an apt testimonial of the respect and good wishes they entertain for their Alma Mater.

The Association is thinking seriously of taking steps in the near future to raise funds by private subscriptions and otherwise to erect an Alumni Hall for their meetings, and for general purposes connected with the college.

#### COL. JOHN WALTER SMITH, Of Worcester County, Md

A prominent candidate for Governor.

Col. John Walter Smith was born in Snow Hill, on the 5th of February, 1845. His father's name was also John Walter Smith. His mother's name was Charlotte Whittington Smith, the daughter of Judge William Whittington, who was an able lawyer and a learned judge. Col. Smith's father belonged to a family which for many years was among the most prominent in this county. He died in 1850 leaving the subject of this sketch an orphan, with but small means available for his education and support. After his father's death, Col. Smith's relation, the late Walter P. Snow, an able lawyer much beloved in this community, was appointed guardian, and upon Mr. Snow's death, the late Senator

Wilson became his guardian. He was sent to school at Union Academy in this town, where he pursued the English and classical course of that institution. He left school at the age of eighteen to accept a position as clerk in the large mercantile house of Geo. H. Richardson & Bros., of this town. In this position he soon evinced an unusual talent for business, and was soon taken in as a partner in the firm. This firm, now known as Richardson, Smith, Moore & Co., after Mr. Smith became a member of it, engaged largely in the lumber business, both in this county and in Virginia, and has been eminently successful. As a result of his energy, activity and business capacity, Col. Smith is to-day a wealthy man, though in the prime of life. In connection with other large enterprises in 1887 he helped to organize the First National Bank of this town and was elected its president, a position he still holds.

Though so actively engaged in business pursuits, he has yet had time to indulge a natural fondness for politics. For many years he has been prominent and influential in the politics of his country and State. He has been many times a delegate to State or Congressional conventions. In the State convention of 1887, he was an earnest supporter of Gov. Jackson, and did more perhaps, than any other man in bringing about that gentleman's nomination.

In the winter of 1884, during the contest over the U. S. Senatorship in the Legislature, Col. Smith was a warm advocate and supporter of the late Senator Wilson, and aided largely in bringing about the latter's election.

In 1889, at the earnest solicitation of

Senator Wilson, Col. Smith—though often urged to accept official position before—consented for the first time to become a candidate for public office. He was unanimously nominated for State Senator by the Democratic County Convention, and was afterwards elected to that office by a large majority. In the contest of the Legislature of 1890 over the U. S. Senatorship, Col. Smith was the acknowledged leader of Senator Wilson's forces.

In the State Senate during the session of 1890, Col. Smith made a most creditable record. As chairman of the important committee on elections—especially important because of the fact that the new Australian election bill and the new registration bill both of which elicited so much discussion in the General Assembly and throughout the State were before his committee—he had much to do and many intricate questions to deal with. Both of the above named bills became laws and both received his support. He also introduced in the Senate several financial bills, the tendency of which was to relieve real estate of a portion of its burden of taxation and place the same on the rich corporations doing business in this State. These bills are now on our statute books. Indeed, in all the important business that came before the Senate of Maryland he was always to be found on the side of the people.

In 1893 he was unanimously re-elected State Senator for Worcester county. In the organization of the Senate he was elected President without a dissenting vote and served in that capacity with great dignity and fairness. He is the author of the Free School Book Bill, so

popular with the people and which passed both houses without much opposition, but was vetoed by Governor Brown. He is earnestly in favor of a new assessment and all his public acts will bear evidence that he is the people's champion. He is prominently mentioned as the Democratic nominee for Governor and will be put prominently before the Convention, which meets July 31st of this year, yet he is not making any fight for the place and even his friends are divided, many of them

feeling that he should be rewarded by the party of which he has been such a faithful and ardent supporter, by being elected United States Senator, others wanting him to be Governor. He is certainly a coming man and being of untiring energy of mind and body he is bound to achieve success.

The illustration of Col. Smith was kindly furnished us by Messrs. Purnell & Vincent, publishers of the Snow Hill Messenger.

## Baltimore Business Directory.

**Accountant.** Expert Accountant.  
Wm. F. Rogers, 323 N. Charles St.

**Agricultural Implements,** Seeds, etc. Griffith & Lytle, 516 Ensor Street.

**Attorney at Law,** Broker in Business Opportunities  
G. W. Hume Craig, 319 Law Bld'g

**Auctioneers & Commis'n Mer's** Merryman & Paterson, 11 S. Charles

**Baltimore Transfer Co.,** 205 E. Baltimore St., Passenger, baggage & Freight

**Business College** School of Shorthand, Typewriting. C. E. Barnett, 102 N. Charles

**Barber's Supplies.** (Largest House South.)  
M. Trego & Co., 415 E. Baltimore

**S. L. Lamberd Co.,** Agricult'l Implements, Seeds, Fertilizers, &c. 124 Light St.

**Grain Drills.** Empire Drill Company, W. H. Brown, Manager. 404 S. Eutaw Street.

**Grain Drills.** Bickford & Huffman Co., B. G. Thomas, Mgr., 408 S. Eutaw St.

**Carriage Builders,** Martin L. McCormick & Bro. Madison and Boundery Aves.

**Chemicals & Fertilizers,** R. J. Hollingsworth, M'frs' Agent 102 S. Charles St.

**Mass. Benefit Ass'n,** P. L. Perkins, General Agent, Fidelity Building.

**Engineers & Machinists.** C. L. Gwinn & Co., 709 E. Fayette Street.

**Funeral Directors,** Wm. J. Ticker & Sons, (Hacks Supplied.) 221 S. Eutaw Street.

**Cole's Hotel,** Newly Furnished. Rates Moderate. Stables. N.W. Cor. Hillen & Forest Sts

**Carrollton Hotel.** Rates, according to location of Rooms, \$2.50 to \$4.00 per day.

**Maltby House.** American and European Plan. Pratt Street, near Charles.

**Hatter.** James E. Connolly. S. W. Cor. Eutaw and Saratoga Sts.

**House and Sign Painters,** Pole & Wilson, Sharp and Barnett Sts.

**House and Sign Painters** Phillip Endlich, 201 E. Saratoga St.

**Leather & Shoe Findings.** J. A. McCambridge & Co. 118 S. Calvert St.

**Lumber Dealers.** Thos. Matthews & Son, Canton Avenue & Albemarle St

**Patent Fire Pots,** Blow Pipes, Burners, &c. The Hull M'fg Co., 800 E. Pratt.

**Pattern & Model Makers,** Leach & Orem, 210 N. Holiday St.

**Plummer and Gas Fitter,** J. M. Foster, 100 Clay St., cor. Liberty.

**Printers Rollers & Roller Gum,** J. E. Norman & Co. 421 Exchange Pl.

**Sails, Awnings, Tents and Hay covers.** (Old canvas) Stevenson & McGee, 212 Light

**Sample Trunks & Cases.** L. Gram, Manufacturer & Repairer, 7 N. Sharp St.

**Veterinarian.** Wm. Dougherty D. V. S. Graduate of Veterinary Medicine. 1035 Cathedral



For the Maryland Farmer.

### EXPOSITION ITEMS.

Baltimore's Great Centennial of 1897.  
Notes from Headquarters.

Investigations are being made as to the practicability of building an electric surface road in Clifton Park for use during the Exposition. A preliminary line has been mapped out, two and one-fifth miles in length, starting at the entrance on Washington Street South, skirting the B. & O. Railroad running West, thence North nearly parallel with the Harford Road until the high ground is reached near Erdman's Avenue; thence East alongside the wagon road until the farm buildings are reached; thence South and Southwest crossing Mine Bank lane near the entrance of the Park from said lane; thence skirting Lake Clifton until the point of beginning is reached. It has been suggested that a road of this character can be devised and arranged in such manner as to be kept for permanent use. People who do not own horses and carriages would thus be enabled to see all the beauties of the Park without being obliged to take long fatiguing walks. The grade of this intramural railway would be the same as that of the present Street railroads. A union switch would be established near the Washington Street entrance, so that, if necessary, cars could be run into the grounds just before the closing hour at night in order to facilitate the handling of the large crowds which are expected to attend the Exposition. It is believed that a road can be constructed over this route with but few elevations the rails being laid on the surface nearly the entire route.

Joseph Forsyth Johnson, of New York City, consulting landscape gardener and garden architect, has written to the Exposition authorities offering to make plans for the improvement of the grounds at Clifton Park. [We think some of the best landscape gardeners in our country are in Maryland and we hope home talent in this respect may be employed by the Exposition Directors.—Ed.]

For the Maryland Farmer.

### ATLANTA EXPOSITION NOTES.

Opens September 18; Closes December 31, 1895.

Dr. Daniel C. Gillman, president of Johns Hopkins University, has accepted position of Chief of the Department of Awards for the Cotton States and International Exposition. This is a guarantee of the high merit upon which the awards will be based. President Collier has sought to make the Department of Awards the best ever organized in America, and in securing the services of Dr. Gillman, he feels that he has succeeded. The name of Dr. Gillman commands respect all over the world.

The committee which went on to Washington from Atlanta last week to invite President Cleveland and his Cabinet to be present at the opening of the Cotton States and International Exposition on the 18th of September, has returned to Atlanta crowned with success. While the president was unable to accept the invitation on the date suggested, he expressed his desire to visit the Exposition, and fixed on the 23rd day of October as the date of his visit. After inviting the president, the committee called on each of the members of the cabinet, and extended the same invitation, which was uniformly accepted. The 23rd day of October will be named "President's Day" at the Exposition. This is the first time on record that the President and Cabinet of the United States have visited the South and an immense crowd will be in Atlanta on President's Day.

The question of National Negro Congresses which embrace military, religious, industrial, business, professional, temperance and educational interests of the colored people of the United States, has been formally presented to the Executive Committee of the Cotton States and International Exposition and received their favorable recommendation. The matter is now before the Committee on Ceremonies and Ceremonial Days.

# MARYLAND FARMER,

H. R. WALWORTH, Editor.

The MARYLAND FARMER is published Monthly at Baltimore, Md., at the subscription price of 50c. a year in advance. New subscriptions can commence at any time during the year.

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Always give the name of the post office to which your Magazine is sent.

CONTRIBUTIONS:—All are cordially invited to express their opinions on any subject, give helpful talks to the inexperienced, and ask questions in any department.

All letters should be addressed,

**FARMER PUBLISHING CO.,**

**213 N. CALVERT ST., BALTIMORE, MD.**

Correspondents are specially requested to write their communications on separate slips of paper and only on one side, signing name and address.

Advertising rates sent on application. Agents wanted; liberal commissions.

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7th Month. JULY. 31 Days.

PHASES OF THE MOON.

	D. H. M.		D. H. M.
Full Moon	6 6 28.8 P.M.	New Moon	22 12 31.8 A.M.
Last Quar.	14 10 31.0 P.M.	First Quar.	28 3 35.7 P.M.
Apogee	11 2 A.M.	Perigee	23 7 A.M.

## COMMENCEMENT MARYLAND AGRICULTURAL COLLEGE.

We were pleased to be able to attend the commencement of the Maryland Agricultural College, the past month, and listen to the Exercises. The principal address was given by our friend, the Hon. Henry O. Devries, who adapts himself so well to every situation in which he may be placed by his fellow citizens, or by societies or institutions. His address was too long to appear in our columns; but was full of interesting points for students of agriculture, with now and then a salient thrust at the times which might be taken into the thought of all who were present. He did not affect in the least any familiarity with classical attainments; but spoke as

a plain farmer, the Master of the State Grange, to the graduating class.

He said in substance that the graduates had not ended their studies, no matter how well their college life had equipped them; that the end of their college life was the beginning of their true life so far as Agriculture and the knowledge of Agricultural Science were concerned. This College had done probably all that any college could do to fit them for their life; but the farmer's life must have practical experience as well as the science acquired at College. It requires both, with sturdy perseverance in the chosen profession to secure a satisfactory success. Many an old farmer has been forced to learn the science in the hard school of experience and begin his practical life at the very foot of the ladder, whereas you have been favored through the lessons of your college course. The old farmers won a decided success, perhaps, in very many cases; but it was through a series of difficult struggles which has added to their

manly virtues as well as to their knowledge of natural things and favorable methods in practical agriculture. They have won success; but yours should be a higher success, from your better opportunities.

Passing from this phase of the subject, the speaker adverted to the present estimation in which the farmer's life was held, and effectually combatted the false estimate placed upon it, by contrasting it with other departments of human life.

One objection he said was, that it was "too slow," and he intimated that a fast life was not always either a happy life or a successful life. To acquire these two great aims of existence, the teachings of philosophy and science were "to make haste slowly." Character can be ruined in a day; but it is built up only by the patient performance of duty through years of solid and substantial toil.

Another objection was that it was "full of hard labor." The processes of farming will always be through rugged labor, although it is now comparatively light, to that of forty or fifty years ago. But no young man, who expects to be an honor to manhood, should object to the little toil or the great toil that belongs to agricultural pursuits. These labors are the foundations of the character of the true nobleman. In acquiring a thorough knowledge of the theories, if you rest there, you are only half a man; you need to add practical labor in its most effective shape to give you a rounded and supple manhood.

Another objection was, that it was an isolated, solitary life shut away from the excitements and busy marts of the great cities. But this objection was trivial—

the best minds and the purest hearts have come from these solitary haunts, where great thoughts are so often born; and the exemplar for all humanity inherited his mission after the isolation of a country seclusion.

A final objection was, that it does not pay. Here the speaker rose to a better thought than one of dollars and cents. While an honest life on the farm, with mind and heart in the pursuit, will generally bring a good living, it may not pay in dollars as largely or as quickly as some of the questionable chicaneries of the professions that are so fiercely struggling in the large cities. But if honesty, good health, long life, independence of character, nobleness of soul constitute a fair payment, no pursuit on this earth can compare with agriculture. Just at present the farmer's dollars are controlled by the vagaries of foreign markets, the crops are the foot balls of exchanges, in which the farmer is worsted by the skillful "bulls and bears;" but this state of things cannot last and yours is the mission to remedy this oppressive condition which represses the aspirations of those who love the farmer's life. You are trained in mind and having joined this mind training to the farmer's experience, you will be fitted to develop better conditions even in the farmer's income, till we can assert that even in dollars the farmer will have his rights and the greatest profession of the race will be victorious also in this respect. Your skill joined with your industry will triumph over the manipulations of the market by speculators, and our yeomanry will bless you for your work in their behalf.



We have not used the language of the address; but we have given briefly its substance. It was received with favor and approval by the great audience gathered on the occasion. It is a great pity that the College has not much better conveniences for lectures, commencements, and the numerous occasions of literary work than the low basement room in which these are held at present, and which it is a burlesque to call by the name of "chapel," or any other name expressive of a place in which to gather refined minds or healthy bodies for any work of pleasure or profit. It is to be hoped that some rich man will shame the State and immortalize himself by building the College a "chapel" that will be an honor to the institution.

The addresses of those representing the graduating class were excellent and the Valedictory took hold of the hearts of all present, and President Silvester was not ashamed that the moisture should be visible on his eyelids.

The following are the names of the graduates, sixteen in number:

J. G. Bannon, Jessups, Md.; H. G. Clagett, Up. Marlboro, Md.; Barnes Compton, Jr. Laurel, Md.; W. B. Crapster, Taneytown, Md.; G. S. Edelen, Fort Washington, Md.; H. R. Graham, Ingleside, Md.; S. H. Harding, Highland, Md.; R. L. Harrison, Charlotte Hall, Md.; H. C. Jones, Pocomoke City, Md.; Lindsay McCandlish, Piedmont, W. Va.; C. C. McDonnell, Florence, Pa.; C. S. Mullikin, Halls, Md.; Wm. Skinner, Cambridge, Md.; R. E. Sliger, Piedmont, W. Va.; J. J. Timanus, Powhatan, Md.; G. W. Wilson, Up. Marlboro, Md.

The great call of this institution is

still "More Room!" Students are continually applying only to be turned away. Why does not the State of Maryland honor herself by becoming the owner of her Agricultural College and by making it an honor to her generosity, as well as the source of her agricultural prosperity.

#### VISIT TO THE EASTERN SHORE.

Annually during three years past the Editor has been called upon to visit the Eastern Shore and address the farmers on the subject of Agriculture. This year he met the usual gathering at Concord, and enjoyed their hospitality fully as well we think as in the past. Passing down the bay on the steamer of the B., C. and A. Railroad, we enjoyed the sail with a host of other summer excursionists to Claiborne and then over the railroad to Preston, whence we took a private conveyance to Concord—about twelve miles. This trip gave us a good opportunity to see the country and the crops, and to form an idea especially of the peach crop in that locality. The best calculation, we think, will not make it one eighth of a crop. The drouth had, in many cases, made the corn backward, although we saw some first class fields where the moisture had been kept in the ground by turning under crimson clover. The fields where artificial fertilizers were used, as a general thing, suffered very greatly from the dry weather. The fruit crop will generally be a light one. A week's rain just previous to our visit had caught many fields of crimson clover and wheat "in cock," and we fear the seed in both cases will suffer largely from sprouting. But the Eastern Shore is a beautiful

country—an ideal paradise for farmers who love successful and at the same time easy work. On our return we found the Steamer fairly crowded with happy young people, who made the sail one of music and enjoyment. We arrived in Baltimore just before midnight after a

season of pleasure with many kind friends of the editor and of the Maryland Farmer. We have received an urgent invitation to visit Cambridge next month and speak on "Agriculture and the remedies for its money troubles." We hope to be able to visit Cambridge on such a mission.

## ORCHARD AND GARDEN.

We call special attention to this list of Nurserymen, Seedsmen, Florists, etc. They all issue good Catalogues and will cheerfully send you one free, if you write referring to the Maryland Farmer. We believe every one of them to be reliable.—Ed. M. F.

**Amer. Exotic Nurseries,** R. D. Hoyt, Mngt.  
Seven Oaks, Fla.

**E. Moody & Sons,** Lockport, N. Y. Niagara  
Nurseries. Established 1839

**Crosman Bros,** Seeds and Plants, wholesale  
and retail. Rochester, N. Y.

**F. Barteldes & Co.,** Kansas Seed House.  
Lawrence, Kas.

**P. J. Berckmans,** Trees, plants, etc., adapted  
to the South. Augusta, Ga.

**Green's Nursery Co,** Rochester, N. Y. Send  
for Ill. Cat. & Guide.

**Royal Palm Nurseries.** Reasoner Bros.,  
Oneco, Florida

**Berlin Nurseries,** Wholesale and Retail, J. G.  
Harrison & Son, Berlin, Md.

**T. W. Wood & Sons,** Garden and Field Seeds  
Richmond, Va.

**Wm. Parry,** Pomona Nurseries,  
Parry, New Jersey.

**Jennings Nursery Co,** Trees for the South,  
Thomasville, Ga.

**West Jersey Nursery Co.** Send for Cat'g.  
Bridgeport, N. J.

**E. B. Marter, Jr.** Seeds, Roots & Plants. Price  
list free. Burlington, N. J.

**Samuel Wilson,** Seeds, Plants and Trees,  
Mechanicsville, Pa.

**Strawberry** and Cabbage Plants, Trees, &c.,  
Cat'g free. A. J. McMath, Onley, Va

### SHORTAGE OF THE HAY CROP.

Generally through the States east of the Alleghanies there has been enough rainfall to bring the yield of hay up to the average, while in the Ohio Valleys, the upper Missouri and Mississippi, the deficiency has been from six to ten inches of rainfall during the months of the spring and this has made an unusually short crop. The farmer who has a surplus of hay this year will get remunerative prices, and this will offset the low prices of his other products. The hay crop of 1894 was less by about eleven millions of tons than it was in 1893, and the prospect of a still greater falling off this year in the marketable surplus will put fancy prices upon the available supply, especially in the West. The shortage in the crop of hay works a serious loss to the whole country.

### RHUBARB.

No plant of my acquaintance says, Mr. J. J. H. Gregory, will stand such strong manuring as will rhubarb. By liberal treatment I have had single leaf-stalks weigh over four pounds, the leaves themselves measuring over four feet each way. The flower buds should be removed as soon as they show themselves,

Compiled for the Maryland Farmer.

### MARYLAND ITEMS.

The town of Sharpsburg is 132 years old.

Judge Dennis, of Baltimore, is at Ocean City.

Dogs killed 13 sheep in Quaker Neck, Queen Anne County.

The Gardeners Club, paid a visit to Annapolis, July 10th.

Number of deaths in Frederick City and County in June was 29.

Total organized strength of the militia in Maryland is 1897 men.

Kent County tax rate for 1895 is 94c. on the dollar. Taxable basis \$7,987.873.

The Eastern Shore Agricultural Fair will be held near Easton, September 3-6.

Farmers, send your representative men to the Democratic Convention, July 31st.

Heavy wheat crop in Worcester county in the vicinity of Pocomoke City this season.

Wheat and hay crops of Talbot county are large and harvested in good condition.

It is said that Queen Anne's county will have 600,000 bushels of wheat to sell this year.

Tax rate of Frederick County this year is 67 cents on the dollar; same as last year.

The County Clerks office at Towson will be closed July and August at one o'clock P. M.

Mr. Benj. Watkins, near Davidsonville, A. A. Co., recently lost 47 hogs from cholera.

About one quarter is the average of Queen Anne and Kent county peach crops this season.

Worcester, county's levy for 1895-6 is one dollar on the hundred—an increase over last year.

Somerset County tax rate this year is 1.22¼ on the \$100. Taxable basis of the county \$4,298.119.

Mrs. Wm. H. Boswell, residing near Ruthland, A. A. Co., has lost nearly all her hogs from cholera.

It is now thought that Mr. Hayes will not be in it for Governor, but may receive the nomination for Attorney General.

Messrs. J. J. Walsh & Son, of Baltimore, were awarded the contract to build the extensive shops of the B. & O. R. R., at Cumberland.

The Baltimore and Ohio R. R. Co., will erect a large Hotel and Summer Excursion House on Maryland Heights, opposite Harpers Ferry.

Dr. Isaac Emerson, of "Brownside," it is said, will buy Hoopers Island. It is 95 miles from Baltimore. It is wanted for shooting privileges.

Take a trip to Ocean City via the Baltimore, Chesapeake and Atlantic Railroad, \$3.00 from Saturday to Monday; \$4.00 regular rate for season.

A most delightful excursion is by the Steamer Cambridge from Pier 4, Light st. Wharf, every afternoon at 4 o'clock to Claiborne, returning at 11.10. Round trip 50c. Supper 50c.

The Western Maryland R. R. Co., has recently added three local trains to its service in order to accommodate the increasing summer travel to Glyndon and other points.

A number of western farmers have been examining the bay front lands of Worcester county, along the Synepuxent and Isle of Wight Bays. They were much impressed with the future of all these lands.

The large electric locomotive, intended to haul trains through the great Belt Tunnel of the B. & O. R. R., was tested June 28. There was not the slightest friction; the test was a perfect success. The locomotive is guaranteed to pull 1200 tons.

The Hon. John Walter Smith, of Worcester County, is the leading spirit of genuine democracy on the Eastern Shore, and will be a prominent factor in coming politics in the State. He is a wide awake, intelligent and fearless advocate of democratic doctrine, and has never been defeated in his county. Such men should go forward.



## THE HOUSEHOLD.

### GOOD NIGHT.

The clock ticks loudly, but the house is still—

The wind moans moodily in the chimney groove,  
Loose leaves at rest upon the window-sill

Stir whisperingly—e'en so might fairies move.  
Clouds cover up the stars—the west gleams white—  
Good-night, dear heart, good-night!

All day there has been darkness in my heart!

All day without you, oh, the long gray hours  
To think of you and know our thoughts apart—  
To think some ways are all set thick with flowers,  
When my way wends so sad and void of light!

Good-night, dear heart, good-night.

Scatter comphor gum where mice abound  
and see them scatter.

Powder-blue is the latest shade of blue-  
gray to be designated.

Some young women are wearing their  
watches set like a large button on the  
lapel of their jackets.

The Duchess of Fife wears a heliotrope  
crepon dress and a hat that is a per-  
fect flower garden of pink, white, helio-  
trope and yellow.

Black silk blouses with enormous sleeves  
and sailor collar, brier stiched with white  
or pale lilac, are worn with afternoon cos-  
tumes of half mourning.

Pretty silver vases to hold the Worces-  
tershire sauce bottle are the latest addi-  
tion to table furnishings. It remains to  
be seen if they will become popular.

For cool days at the seaside and in the  
mountains pretty bodices of challe and  
fine French flannel for young girls and  
misses are provided to replace starched  
shirt waists.

The prettiest new petticoats are made  
of glace silk, with large flounces of mus-  
lin trimmed with lace, these flounces be-  
ing so made that they can be detached to  
visit the laundress.

Colored starches of delicate tints—ecru,  
pale pink, green, or blue—are sold to use  
in the laundering of white muslin and lace

curtains, to which articles they impart  
the desired shade.

Tailor-made suits of white and pearl-  
gray satin-faced alpaca and pique are in-  
cluded in very smart wardrobes. They  
are made with short natty jackets and  
full skirts fitting tightly around the hips.

Among the ascot dresses, fancy silks de-  
cidedly have taken the foremost place,  
chene and patterned muslins coming  
next. In these some of the lightest colors  
and most brilliant mixtures have found  
favor.

Bunches of sassafras hung in the window  
will mitigate the fly nuisance. This is  
worth remembering by the summer board-  
er who frequently finds herself not only  
five miles from a lemon, but an equal dis-  
tance from window screens.

Traveling gowns of mohair are being  
made with the fullness of the skirt carried  
over each hip in a series of very fine  
pleats, stitched down flatly and visibly.  
With many of these skirts is worn a short  
cape, instead of a jacket or blazer.

The Princess of Wales wears a black  
bonnet trimmed only with fans of accor-  
dion pleated black net and a jet aigrette;  
with this a black satin mantle, trimmed  
round the shoulders with a frill of pleated  
black chiffon, a full puff of the same en-  
circling the throat, and a single red rose  
pinned in to give the one note of color.

For an ultra showy gown take a cos-  
tume of shot green and red taffetas, with  
deep belt and shoulder straps of passe-  
menterie having a multitude of tiny "dia-  
monds" worked on a silver wire ground and  
bishops sleeves, trimmed down from the  
shoulder to cuffs with three rows of the  
same showy decoration; the bonnet of  
silver wire, trimmed with puffings of  
diamond studded tulle, and with big  
clusters of geraniums with their leaves,  
to combine the tones of the shot of the silk.

## CARE OF THE HAIR.

It is an Art Which Comparatively Few Women Understand.

According to a certain distinguished hair dresser, women do not know how to comb their hair. Their sins of ignorance are almost innumerable, and the result is not only unattractive locks, but headaches and scalp diseases.

A cheap comb and brush, according to this authority, belong in the same category with cheap soap. They should never be used. Cheap combs do not have smooth teeth which will make their way unresistingly through the hair, but are rough and tear and break long strands. A comb with some of its teeth missing does effective work in ruining the hair. It can never be run through the hair without breaking off some hairs and dragging others out by the roots. Rubber or shell is the proper material for a comb. The teeth should not be too sharp or they will lacerate the scalp. On the other hand, they will not be effective in smoothing out tangles.

Brushes should be chosen with equal care. They should not have metal backs, no matter how attractive silver may appear, for metal makes them too heavy. The back should be of light wood and the bristles should be long and thickly set. Moreover, they should be bristles, and not weak imitations.

After she has purchased her "tonsonial supplies," the woman who aspires to have beautiful hair should learn how to use them. She should brush her hair for five minutes at a time twice a day, using long even strokes. At night she should part her hair and let it hang in two loose braids. Once a day she should rub her scalp with her fingers to stimulate the circulation. The brushing is absolutely necessary, for the hair attracts the dust and dirt with fatal facility and this, combining with the oil of the hair, makes it malodorous and unpleasant in the extreme. A monthly washing with castile soap and the daily brushing will keep it clean and glossy, however.

## DOCTOR'S ADVICE.

BY DR. J. F. WITMYER.

Can you tell me of a good preparation for sunburn, something to prevent sunburn, also something to use after being burned?

(1) Apply cucumber cream before going out into the sun. (2) A lotion composed of ten grains of citric acid, one ounce of glycerine and one ounce of rose water may be used with good effect. It should be applied several times a day.

Please let me know what would be a good tonic for my blood. It is in a poor condition and causes frequent attacks of headache.

Take a pill containing one-thirtieth of a grain of arsenious acid and one grain of reduced iron after each meal.

Kindly tell me of a drug to apply to the nails to stop the habit of biting them.

Tincture of aloes may be used with good effect.

Please tell me of a simple remedy for a sore and lame back; it was caused by a cold.

Apply a mustard leaf over the seat of the soreness.

Will you please tell me how bromide should be given to a person of fifteen years for nervous headache?

The bromide of soda should be used in doses of from ten to twenty grains in water every two or three hours, as required.—*New York World*.

---

## It Pays

to use Vacuum Leather Oil on harness and shoes. Get a can at a harness- or shoe-store, 25c a half-pint to \$1.25 a gallon; book "How to Take Care of Leather," and swob, both free; use enough to find out; if you don't like it, take the can back and get the whole of your money.

Sold only in cans, to make sure of fair dealing everywhere—handy cans. Best oil for farm machinery also. If you can't find it, write to

VACUUM OIL COMPANY, Rochester, N. Y.

## THE POULTRY YARD.

Our readers will receive every attention, if they will address any of the Poultrymen in the select list below, and state their wants. Ed. M. F.

**Lewis C. Beatty**, Washington, N. J. Fancy Poultry All varieties. Circular free.

**The Best Brooder**, \$5.00. Send for Circular. G. S. Singer, Cardington, Ohio.

**Jacob Bower**, Killbuck, Ohio. Black Langshans. Birds and Eggs for Sale.

**Capon** Instruments post paid \$2.50. G. P. Pilling & Son, 115 S. 11 St., Philadelphia, Pa. Book free.

**Barbour & Son**, Eggs ¼ Price, 13—\$1. 39—\$2. 10 Var E. Ave. Rochester, N. Y.

**B. Hammerschmidt**, South Buffalo, N. Y. Bl'k Javas Wyandotte, Leghorn, Minorca

**F. L. Hooper**. Pearl Guinea Fowls. Station B. Baltimore, Md.

**S. H. Merryman**. \$8.00 Incubators. Bosley, Md.

**Enterprise Poultry Yards**. Annville, Pa. High Class Poultry. Circular free.

**O. K. Feed** is a Meat and Bone Ration for Poultry. C. A. Bartlett, Worcester, Mass.

**Wm. M. Hughes**, Box 56, Newport, R. I. Bl'k Langs B. P. Rocks. Games, Bantams.

**A. F. Williams**, Monitor Incubator, best in the country. Bristol, Conn.

**Von Culin Incubator Co.** Incubators. Delaware City, Del.

**Orrs Mills** Poultry Yards. L. Brahmas. P. Rocks Wyandottes. P. Ducks. Orr's Mills, N. Y.

**F. B. Zimmer & Co.** Gloversville, N. Y. Beagle Hounds, Leghorns, PR'ks, Bants

**Hammonton. (N. J.) Incubator Co.** Incubators and Brooders

**John W. Silcott**, Snickersville, Va. Buff Cochins Fine young trios \$5. Egg \$1. for 15.

**Geo. A. Friedrichs**, Erie, Pa., White Fowls—Polish, Cochins, Leghorns, Catalog free

**Prairie State** Incubators & Brooders. Selling Agt H. A. Dreer, 714 Chestnut St. Phila. Pa

**J. D. Engel**, Middleburg, Md., 8 kinds of Poultry Eggs \$1.00. 20 kinds Seed Potatoes.

**Caponize** Instructions mailed free. William H. Wigmore, 107 S. 8th St., Philadelphia, Pa.

**S. C. White Leghorns** only. Eggs \$1.00 per 13. W. J. Richardson, Owings Mills, Md

**Black Langshans**. Eggs \$1. per 13; Cockerels \$1.50 S. W. North, Berkeley Sp'gs, W Va

**Eggs** and Stock, Bar'd P. Rock. Mammoth Bronze Turkeys. Edith E. Simmonds, Finksburg, Md

**Maryland Agricultural Co.** Poultry supplies. 32 W. Pratt St.

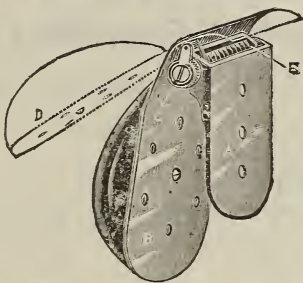
For The Maryland Farmer.

## CLEANLINESS IN JULY.

In the poultry house July demands extra care as to cleanliness. The lice breed rapidly in filth, and no success can be had with chickens, in any shape, unless the house is kept clean in July. The greatest time of mortality among small chicks—and the older birds, also—is during the very hot months, from the neglect of keeping everything clean and sweet about the sleeping premises. The drinking water should be renewed several times a day, especially if not placed in the shade. The dust bath should be kept clean and dry, with a little sulphur mingled in it, for all the vermin are easily destroyed by the hens themselves if they can get into the dust and wash freely. The dust strangles the insects just as water strangles an animal.

Painting the inside of the poultry house with crude coal oil, with about an ounce of carbolic acid to the gallon of oil, is said to be better than lime wash, to free a poultry house from vermin. A very large and successful poultryman assures us that this was the only method he found to be permanently successful, after years of trial.





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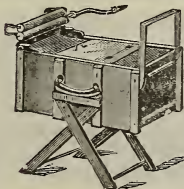
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has proved the most satisfactory of any Washer ever placed upon the market. It is warranted to wash an ordinary family washing of **100 PIECES IN ONE HOUR**, as clean as can be washed on the washboard. Write for prices and full description.

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**LADIES,** By special request from patients who cannot personally consult me, and being unable to prepare at short notice the Favorite Prescription as used by me during a practice of twenty-five years, have consented to supply



to you this celebrated Remedy for all Female irregularities and suppressions. These Pills are guaranteed six degrees stronger than any known medicine, yet so mild that the feeblest can take them with perfect security, yet so powerful in their effects that they can be safely called a never-failing regulator. Refuse all Patent Medicines and avoid delay by taking the prepared prescription of a Specialist in practice. Highly indorsed by thousands and recommended by prominent physicians. All orders supplied direct from office, 107 Park Ave., Baltimore, Md., or sent by mail, sealed, upon receipt of price, Five Dollars per box of fifty pills, (the only size) with full directions inclosed. Cut this out and preserve for reference.

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A cure guaranteed. No operation or detention from business. 30 years successful practice. A lady attends on ladies and children.

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MY LIFE

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We recommend "HIGH GRADE" and "BOS" for poor lands,  
and for stubble or where there is a good sod

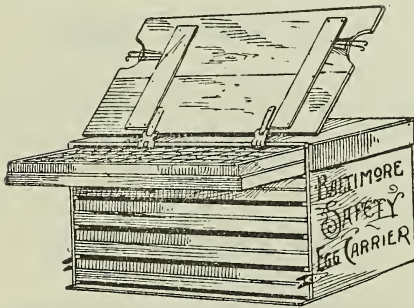
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For those who wish to mix their own formulas or use plain  
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The entire case can be examined and  
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**If you want** a capable, reliable and experienced manager for your place, we have him for you.

**If your wife wants** a good girl servant, we have plenty of them, white and colored, who are willing to work.

The Old Reliable Employment Office,  
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THOMAS O. MATTHEWS, Agent.

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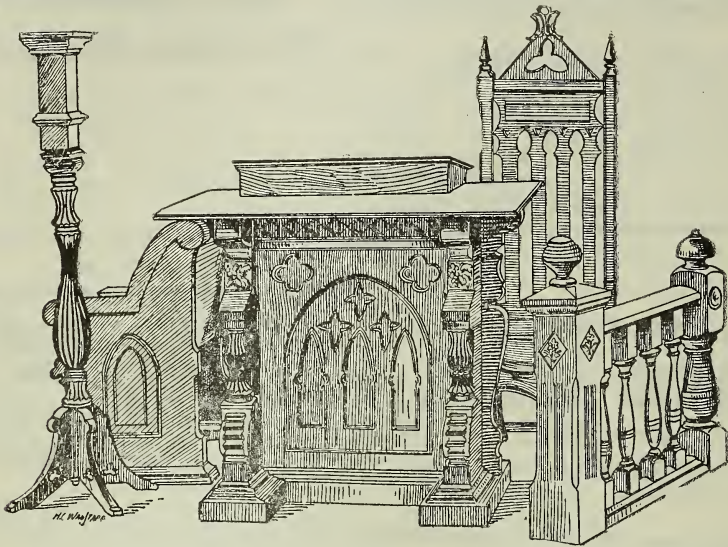
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BEST PREVENTIVE  
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[S] Estimates Furnished. Send for Circulars, Samples and Price List. [S]

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C. HART SMITH, PRES'T. BALTIMORE, MD.

## ROOFING.

Granite, all kinds of Compositions, Tin and Slate Roofing put on and Old Roofs Repaired, at Moderate Rates.

— DEALERS IN —

## CUPOLA, FURNACE AND STOVE BRICK.

Steam Boilers and Pipes covered.

Steam Pipes laid under ground and through water.

[S] COUNTRY WORK PROMPTLY ATTENDED TO. [S]

~ ALSO TWO and THREE PLY ROOFING and CEMENT. ~

**PETER H. MORGAN, & SON.**  
OFFICE, 105 N. FRONT ST., BALTIMORE, MD.

## HUGH SISSON & SONS,

Importers, Dealers and Manufacturers of

## MARBLE STATUARY,

MONUMENTS, FURNITURE, SLABS,

MANTELS, ALTARS, TILES AND TOMBS,

210 E. Baltimore St.

AND COR. NORTH and MONUMENT STS.,

Drawings and Estimates furnished free.

Baltimore, Md.



Fertilizers containing a **high percentage of potash** produce the largest yields and best quality of

## Wheat, Rye, Barley, Oats,

and all winter crops.

Send for our pamphlets on the use of potash on the farm. They are sent free. It will cost you nothing to read them, and they will save you dollars. Address,  
GERMAN KALI WORKS, 93 Nassau Street, New York.

## THE RAWLEY SPRINGS, VA.

Will receive visitors as early as May, 1, 1895. The fishing in the streams near by is very good during the months of May and June. The Hotel will formally open June 15. Until that date the rate of board will be \$8.00 to \$10.00 per week, \$30.00 to \$35.00 per month.

The Rawley Springs water is now charged with a pure carbonate gas, manufactured by the American Carbonate Co., bottled and shipped to all parts of the country.

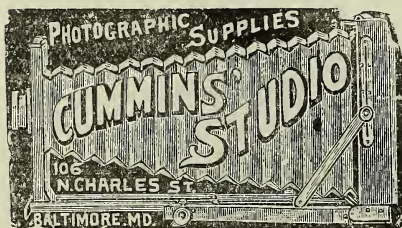
### This Natural Iron Tonic Water

Will, for the first time, be regularly placed on the market, and is perhaps the only Iron Water of like character and value in the United States. By the extra charge of gas the iron is held in solution, and, as many testify, has the same wonderful medical value as at the springs where thousands have resorted and have been restored to health by the use of the water. We shall be pleased to receive your orders.

One Dozen Case...\$1.50. Two Dozen Case...\$3.00. Three Dozen Case...\$4.00.  
F. O. B. at Harrisonburg, Va. Address

J. WATKINS LEE,

Or, The Rawley Springs Tonic Water Co., Rawley Springs, Rockingham Co., Va.



The high standard of work performed at the Studio of the late Jas. S. Cummins will be maintained by experienced artists, and every endeavor made to please the patrons. We hope to merit a further share of your patronage.

Respectfully yours,  
G. O. Cummins.

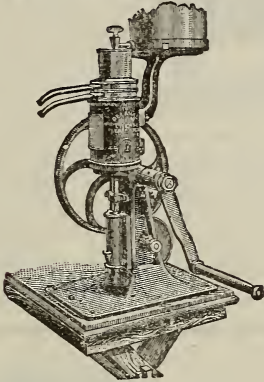
**WILLIAM A. GAULT,**  
8 E. Lexington Street **MONUMENTS, Tomb Stones**

Steps, Slate Roofs, Mantels, Grates, Tiles, Brass Goods.

(Recently bought out the Md. Mantel and Tile Co.) **BALTIMORE, MD.**



## HAVE YOU FIVE OR MORE COWS?



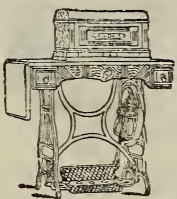
If so a "Baby" Cream Separator will earn its cost for you every year. Why continue an inferior system another year at so great a loss? Dairying is now the only profitable feature of Agriculture. Properly conducted it always pays well, and must pay you. You need a Separator, and you need the **BEST**—the "Baby." All styles and capacities. Prices, \$75.00 upward. Send for new 1895 Catalogue.

### THE DE LAVAL SEPARATOR CO.,

Branch Offices: ELGIN, ILL. 74 CORTLAND ST., NEW YORK

*Maryland Agricultural Co.,*

Special selling agents,  
32 W. Pratt Street, Baltimore.



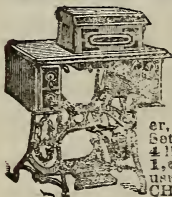
224 S. Broadway, BALTIMORE, MD.

### The Silent White

Wholesale and Retail.

**FAUST'S** Butterick  
Pattern Agency

Latest Fashion Catalogue  
sent to any address on receipt  
of 3 cents.



**A \$65.00  
Sewing Machine!**  
For \$18.00.

Black Walnut Furniture Cover, Drop Leaf, 5 Drawers and Full Set of Attachments. **Warranted.**  
4 lb Tea or Family Scale, **\$1.00.**  
1.33-3¢ other Articles  $\frac{1}{2}$  to  $\frac{3}{4}$  usual prices. Send for Catalogue.  
CHICAGO SCALE CO., Chicago.

### Make Cows Pay.




Twenty cows and one **LITTLE GIANT** Separator will make more butter than 25 cows and no separator. Five cows will bring \$200 to \$300 and one separator will cost \$125. Five cows will eat a lot of feed; a separator eats nothing. Moral: Make the cow business pay by using a separator. Send for circulars.  
P. M. SHARPLES, West Chester, Pa.  
Rutland, Vt.

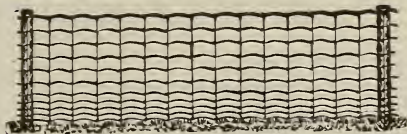
### FOR BEST HAY PRESSES [STEEL PRESSES]



SELF FEEDER  
ADDRESS **P.K. DEDERICK & CO.**  
35 DEDERICK'S WORKS, ALBANY, N.Y.



**MONEY MADE**  
selling Beveridge's Automatic Cooker. Best cooking utensil. Food can't burn. No odor. Saves labor and fuel. Fits any kind of store. Agents wanted, either sex. Good Pay. One agent sold 1730 in one town. Write for terms  
**W.E. BEVERIDGE, Baltimore, Md.**



### FOUR OF A KIND.

A certain railway official wrote the officers in charge of fencing on four great Railroads, where "the Page" is in use, asking their "honest opinion" as to its value. He considered the answer so very favorable that he gave a large order for the Road he represented. The replies were confidential, but he stated that the strongest endorsement came from where "the Page" had been longest in use. If farmers took such precautions, those who furnish "cheap" wire fences would go out of business.

**PAGE WOVEN WIRE FENCE CO., Adrian, Mich.**

## FOUTZ'S HORSE AND CATTLE POWDERS



NO HORSE will die of COLIC, ROTS or LUNG FEVER, if FOUTZ'S Powders are used in time.

FOUTZ'S Powders will cure and prevent HOG CHOLERA.

FOUTZ'S Powders will prevent Gapes in FOWLS.

FOUTZ'S Powders will increase the quantity of milk and cream twenty per cent., and make the butter firm and sweet.

FOUTZ'S Powders will cure or prevent almost EVERY DISEASE to which Horses and Cattle are subject.

FOUTZ'S Powders WILL GIVE SATISFACTION.

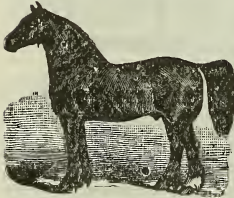
Sold everywhere.

DAVID E. FOUTZ, Proprietor,  
BALTIMORE, MD.

## 'SHADELAND' THE MOST EXTENSIVE

### Pure Bred Live Stock Establishment

IN THE WORLD



New Importations constantly arriving.

Rare Individual Excellence and Choicest Breeding.

#### Breeders and Importers of

Clydesdales,	Standard Bred Trotters
Percherons,	Carriage Horses,
French Drafts,	Saddle Horses,
English Shire,	Welsh Ponies,
Belgian Drafts,	Teeland Ponies,
Suffolks,	Shetland Ponies,
French Coachers,	Holst in-Friesian,
Cleveland Bays,	Cattle
Hackneys,	Devon Cattle,

Also, Dealers in Real Estate.

Our customers have the advantage of our many years experience in breeding and importing; Superior Qualities; Large Variety and Immense Collections; opportunity of Comparing Different Breeds; and Low Prices, because of Our unequalled Facilities, Extent of Business and Low Rates of transportation. No other Establishment in the World offers such advantages to the Purchaser. **PRICES LOW! TERMS EASY.** Visitors Welcome. Correspondence Solicited. Circulars Free.

**POWELL BROS., Shadeland, Crawford Co., Pa.**

When writing please mention this paper.

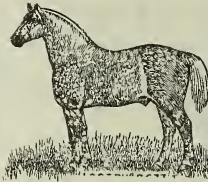


B. W. SMITH, Cochranville, Chester Co., Penna.

**BERKSHIRE,** Chester White, Jersey Red and Poland China PIGS. Jersey, Guernsey and Holstein Cattle. Thoroughbred Sheep. Fancy Poultry. Hunting and House Dogs. Catalogue.

## NOTICE! SOMETHING NEW!

### Dr. Spranklin's Bay Side Stock Farm.



Salt Water Bathing and Soak for Horses in the Chesapeake Bay, only two and one-half hours run on the Steamer Emma Giles to Spranklin Wharf, where they receive professional care, board and medicine at \$10 per month. Horses sent for and delivered.

Disabled animals sent to beat in ambalance free. Box stall for all. Five hundred acres of land, with spring water in every field. Special rates given to firms with several or more horses to winter or pasture. The largest and most complete establishment of its kind in the U. S. Horses are sent here for treatment from every section of the country. For further information call at

MARYLAND VETERINARY HOSPITAL,

Telephone—1565. 1311 to 1321 Harford Ave.,

EVERYTHING FOR THE HORSE. Less than prices

26 E. BALTIMORE STREET, Baltimore, Md.

SAMUEL HUNT'S SONS.

ESTABLISHED 1785.



## LARGE SALES

Sold 1673 O. I. C. HOGS  
IN 1894.

Send for a description of THIS FAMOUS BREED, two of which weighed 2806 lbs. First applicant from each locality can have a pair on time and an agency.

The L. B. SILVER CO.,  
CLEVELAND, O.





## EXCURSIONS.

1895.

### BAY RIDGE

A New \$10,000 Ferris Wheel,

Revolving 75 Feet High, and Numerous Other Attractions.

The coolest and most delightful resort on the Chesapeake Bay is now open, and thousands of excursionists are now availing themselves of the unexceptionally fine opportunities afforded by the

#### Mammoth Steamer, Columbia.

(Capacity, 4,000.)

to take a day's recreation and secure a breath of fresh air. Excellent 50 cent meals served on the Columbia, and splendid concerts of all popular airs will be rendered daily by Prof. Chas. Wright's Grand Military Band and Orchestra.

Columbia leaves Pier 10 Light Street Wharf at 8.30 A. M., and 2.35 P. M.

**ROUND TRIP 50 CENTS.  
Children 25 Cents.**

Most Liberal Terms offered Churches, Sunday-Schools, Societies and Organizations for excursions. Apply to B. F. Bond, B. & O. Central Building, or Pier 10 Light street.

### Tolchester Beach. THE FAMOUS AND MODEL FAMILY

RESORT OF THE CHESAPEAKE BAY.

The Tested and Tried. Many Changes for 1895

**Salt Water Bathing. Famous 50c. Meals.**

The big Excursion Steamer Louise daily at 8.30 A. M., and 2.30 P. M., Sunday at 9 A. M. and 2.30 P. M. A delightful sail across the bay. Music by the famous Fifth Regiment Band.

Special Entertainments on the steamer by Morphet and Stevenson, in Magic and Music. The finest excursion out of the city.

**Tickets at the Wharf, 50c.**

1895.

### TAKE THE ERICSSON LINE EXCURSIONS.

To Philadelphia, daylight trips, Monday Wednesday and Friday, at 7.30 A. M.	<b>\$1.00</b>
To Philadelphia and return (10 days).	<b>\$2.00</b>
To Philadelphia and return by rail.	<b>\$3.00</b>
To Atlantic City.	<b>\$2.75</b>
To Atlantic City and return (10 days).	<b>\$3.75</b>
To Atlantic City and return (season).	<b>\$4.00</b>
To Asbury Park, Long Branch, and return.	<b>\$6.00</b>

Daily steamers (except Sundays) from Wharf, Light and Pratt streets at 5 P. M.  
TICKETS FOR SALE AT OFFICE ONLY.  
Clarence Shriver, Acting Agent,  
204 Light Street

### To Niagara Falls

**\$10.00.**

Round Trip good for ten days from Baltimore by the

#### ROYAL BLUE LINE, PULLMAN CARS.

Via Watkins Glenu, Geneva, Rochester, &c.

Go by the great

BALTIMORE & OHIO.

Write for dates of these celebrated Summer and Fall Excursions to Ticket Agent, Central Building, Baltimore, Md.

### MORNING, NOON AND NIGHT,

You can leave Grand Central Station, the very centre of the city.

For Chicago, St. Louis and Cincinnati, in a magnificently equipped train,

Via the New York Central,

The Great Four-track Trunk Line.

Trains depart from and arrive at

Grand Central Station, New York.

Connecting the east and west,

by the New York Central Lines,

Chicago is only 24 hours away;

Cincinnati 22; St. Louis 30.

Eleven through trains each day,

Practically a train every hour, via

**"AMERICA'S GREATEST RAILROAD."**



# TRAVELERS GUIDE.

(SCHEDULE, In effect May 12 1895.)

## Baltimore and Ohio R. R.

Leave Camden Station.

For Chicago and Northwest, Vestibuled Limited Express daily 10.30 A. M. Express 7.20 P. M.

For Cincinnati, St. Louis and Indianapolis, Vestibuled Limited Express daily 2.40 P. M., Express 10.50 night.

For Cleveland, and Pittsburgh, 10.30 A. M. and 8.00 P. M.

For Washington, week-days, 5.00, x6.15, x6.25, 6.30 x7.20, x8.00, 8.35 x9.30, 10.30, A. M. (12.00 noon 45 minutes,) 12.10, x12.50 x2.40, 2.50, (3.45, 45 minutes,) x4.10, 5.10, x5.40, x6.00, 6.18, x7.20, x7.48 x8.00, 9.15, x10.10, x10.50, 11.30 P. M. Sundays, x6.25, 6.30 8.35, x9.30, 10.30, A. M., (12.00 M., 45 minutes,) 1.05, x2.40 x3.45, 45 minutes,) 5.10, 5.40 x6.18, x7.20, x8.00, 9.15, x10.10, x10.50 and 11.30, P. M.

For Annapolis, 7.20, 8.35 A. M., 12.10 and 4.10 P. M. On Sunday, 8.35 A. M. and 5.10 P. M.

For Frederick, 4.00, 8.10, A. M., 1.20, 4.20 and 5.25 P. M. On Sunday, 9.35 A. M. and 5.25 P. M.

For Luray, Roanoke and all points in the South via N. and V. R. R., 10.10 P. M. daily, Sleeping cars to Roanoke, Chattanooga and New Orleans. For Luray 2.40 P. M. daily.

For Lexington and points in the Virginia Valley, 7.40, 10.30 A. M. For Winchester, 7.40 P. M. Mixed train for Harrisonburg, 4.00 A. M.

For Hagerstown, 7.40, 7.10 10.30 A. M., 7.40 P. M.

For Mt. Airy and Way Stations, 7.40, 10.30, 7.40, 9.35 A. M., 1.20, (4.20 stops at principal stations only,) 5.25, 6.30, 11.10 P. M.

For Ellicott City, 7.40, 7.10, 7.10, 9.35, A. M. 7.10, 7.30, 7.40, 9.35, 9.30, 11.10 P. M.

For Curtis Bay, week-days 6.28 A. M., Leave Curtis Bay, week-days 5.45 P. M.

Trains arrive from Chicago, and the Northwest, daily, 1.05 and 6.05 P. M. From Pittsburgh and Cleveland, 7.20, A. M., 6.05 P. M.; from Cincinnati, St. Louis and the West, 7.50 A. M., 1.20 P. M., daily.

## Royal Blue Line for New York and Philadelphia.

All trains illuminated with Pintsch light.

For New York, Boston and the East, week-days, (5.50 Dining Car,) (8.00, Dining Car) 8.55, (10.50, Dining Car) A. M., 12.20, (1.30 Dining Car) 3.50, (5.55 Dining Car) 9.00 P. M. 1.05 night, Sleeper attached, open for passengers 10.00 P. M. Sundays, 5.50 Dining Car, 8.00 Dining Car, 9.55 Dining Car, A. M. 1.30 Dining Car, 3.50, (5.55 Dining Car,) 9. P. M., 1.05 night, Sleeping Car attached, open for passengers 10.00 P. M.

For Atlantic City, 5.50, 10.50 A. M. 12.20 1.30 P. M. Sundays 5.50 P. M., 1.30 P. M.

For Philadelphia, Newark, Wilmington and Chester, week-days, (5.50, Dining Car) 8.00, stopping at Wilmington only, Dining Car, 8.55 (10.50, stopping at Wilmington only, Dining Car,) A. M., 12.20, (1.30 Dining Car) 3.50, 5.55 Dining Car, 9 P. M. 1.05 night, Sundays, (5.50 Dining Car,) 8.00 Dining Car, (9.55 Dining Car) A. M., 1.30 Dining Car, 3.50, 5.55, Dining Car, 9.00 P. M., 1.05 night.

For all Stations on Philadelphia Division, week days, 8.05 a. m., 2.55, 5.15 p. m. Sundays, 9.05 a. m. 5.15 p. m.

† Except Sunday. \$ Sunday only. \* Daily. x Express train.

Baggage called for and checked from hotels and residences by Union Transfer Company on orders left at Ticket Offices:

N. W. Cor. CALVERT AND BALTIMORE STS

230 South Broadway or Camden Station.

R. B. CAMPBELL. CHAS. O. SCULL,

Gen. Manager Gen. Passenger Agent.

(In effect July 11, 1895.)

## Western Maryland Railroad.

Leave Hillen Station as follows:

\* 4.30 A. M.—Fast Mail, Main Line, N. and W. R. R. and South, and ex. Sunday P. V. R. R., B. & C. V. R. R. also Martinsburg and Winchester.

† 7.22 A. M.—Main Line East of Emory Grove; also York, B. & H. Div; and G. and H. R. R.

† 8.11 A. M.—Main Line B. & C. V. R. R., P. V. R. R., Emmitsburg and N. & W. R. R. to Shenandoah

9.15 A. M.—Express for Pen-Mar only

9.30 A. M.—For Union Bridge and Hanover.

† 10.17 A. M.—Accommodation for Union Bridge, York, B. & H. Div to Gettysburg; and G. & H. R. R. Tu. Th. and Sat, to all points on B. & H. Division.

† 12.26 P. M.—Accommodation for Emory Grove.

† 1.35 P. M.—Accommodation for Emory Grove.

† 2.25 P. M.—Accommodation for Emory Grove.

† 2.30 P. M.—Accommodation for Union Bridge.

† 3.22 P. M.—Blue Mountain Express. (Parlor Car) Connection for Frederick.

† 3.32 P. M.—Exp. for York and B. & H. Div.

† 4.00 P. M.—Express Main Line Points, also Emmitsburg, B. & C. V. R. R., P. V. and N. & W. R. R.

† 4.00 P. M.—Accom. for Emory Grove and Alesia

† 5.05 P. M.—Exp. Glyndon, and accommodation beyond to Union Bridge.

† 5.15 P. M.—Accommodation for Emory Grove and Alesia.

† 6.07 P. M.—Accommodation for Union Bridge.

† 9.16 P. M.—Accommodation for Emory Grove.

\* 11.25—Accommodation for Emory Grove.

\* Daily. † Daily ex. Sunday. \$ Sunday only.

Ticket and Baggage Office, 205 East Baltimore St.

All trains stop at Union Station, Pennsylvania Avenue, Fulton and Walbrook Stations.

B. H. GRISWOLD, Gen'l Passenger Agent.

J. M. HOOD, General Manager.

## Annapolis and Baltimore Short Line R. R.

Leave Camden Station—Week Days:

7:15 a. m., for Annapolis and Way Stations.

8:50 a. m., for Annapolis and Way Stations.

1:10 P. M., for Annapolis and Way Stations.

5:40 p. m., for Annapolis and Way Stations.

Sundays.

8:50 a. m., for Annapolis and Way Stations.

5:40 p. m., for Annapolis and Way Stations.

Trains leave Annapolis 6:45, 8:55, a. m. 12:00 m., and 3:50 7:15 p. m. Week Days, and 8:55 a. m., 3:50, 7:45 p. m. on Sundays.

For Round Bay, Annapolis and Bay Ridge Express at 3 p. m. daily. Leave Bay Ridge 7 p. m. week-days, 7:30 p. m. Sundays. Round trip to Bay Ridge 50c. Tickets good to return by boat.

C. A. COOMBS, General Manager.

## TRAVELERS GUIDE.

### Balto. Chesapeake & Atlantic Railway Company

Water and Rail Routes to Ocean City and all points on the Chesapeake Bay and its tributaries.

#### For Health, Pleasure and Business.

Unexcelled facilities for both passenger and freight traffic.

Close connection with the trunk line railroads, insuring convenience to the traveler, and quick dispatch of all freights.

Fifteen commodious and handsomely fitted out steamers. Comfortable state rooms. Good Cuisine. Polite Attendance.

Steamers leave Pier 3, 4 and 4½ Light Street Wharf as follows:

**RAILWAY DIVISION.** 7 a. m. and 4.10 p. m. daily, except Saturday and Sunday; Saturday only, 6.10 a. m. and 2 p. m. for Claiborne and stations to Ocean City.

**CHOPTANK RIVER LINE.** 8 p. m. daily, except Sunday, for Easton, Oxford, Cambridge, and landings to Denton. Returning leave Denton at 12.30 p. m. daily, except Saturday, Cambridge, 6 p. m.; Oxford, 7.30 p. m.; Easton 9.30 p. m., arriving in Baltimore at 5 a. m.

**WICOMICO RIVER LINE.** 5 p. m. every Tuesday, Thursday and Saturday for Wingate's Point, Deal's Island and landings to Salisbury. Returning, leave Salisbury at 12 o'clock noon, every Monday, Wednesday and Friday, arriving in Baltimore at 5 a. m.

**NANTICOKE RIVER LINE.** 5 p. m. every Monday, Wednesday and Friday for Deal's Island, and landings to Seaford, Del. Returning, leave Seaford at 12 o'clock noon Tuesday, Thursday and Saturday, arriving in Baltimore at 5 a. m.

**GREAT WICOMICO RIVER LINE.** 5 p. m. every Tuesday, Thursday and Saturday for Great Wicomico River, Dividing, Indian, Dyer's and Antepoison Creeks, Saturday trip extended to Jackson's Creek, Cricket Hill, Callis and Fitchetts. Returning, leave Eubanks at 1 p. m. every Monday, Wednesday and Friday, arriving in Baltimore at 5 a. m.

**PIANKATANK RIVER LINE.** 5 p. m. every Monday, Wednesday and Friday for Jackson's, Piankatank River and Milford Haven. Returning, leave Freeport at 10 a. m. every Tuesday, Thursday and Saturday, stopping at landings on Antepoison and Cockrell Creeks, arriving in Baltimore at 5 a. m.

Steamers leave from foot of South Street as follows:

**POCOMOKE RIVER LINE.** 5.30 p. m. every Tuesday and Friday for Crisfield, Tangier Island, Onancock, and landings to Pocomoke City and Snow Hill. Returning,

leave Snow Hill at 6 a. m., Crisfield, 6 p. m. every Monday and Thursday, arriving in Baltimore at 6 a. m.

**MESSONGO RIVER LINE.** 5.30 p. m. every Monday and Thursday for Fords, Crisfield, Finneys, Onancock, Chesconessex, Hunting Creek and Messongo. Returning, leave Messongo every Wednesday and Saturday at 6 a. m., Crisfield 6 p. m., arriving in Baltimore at 5 a. m.

**OCCOHANNOCK RIVER LINE.** 5.30 p. m. every Wednesday and Sunday for Crisfield, Harborton, Evans, Boggs, Cedar View, Nandua, Concord, Read's, Davis', Shields, Rues. Returning, leave Rues every Tuesday and Friday at 8.30 a. m., Crisfield, 6 p. m., arriving in Baltimore at 5 a. m.

#### B. L. FLEMING, WILLARD THOMSON.

Gen. Pass. and Freight Agt. Gen. Man.

Ticket Office, 133 E. Baltimore Street.

Arthur W. Robson, Agent, Baltimore, Md.

### Baltimore & Lehigh Railway.

NORTH AVENUE STATION,  
BALTIMORE.

LEAVE WEEK-DAYS FOR CARDIFF—  
7:30 A. M., and 4:00 P. M.

LEAVE WEEK-DAYS FOR BELAIR  
9:30 A. M., and 5:30 P. M.

SUNDAY FOR CARDIFF—  
9:30 A. M. and 4:00 P. M.

SUNDAY FOR BELAIR—6:30 P. M.

W. A. MOORE, Gen'l. Manager.

### Wheeler Transportation Line.

Great Choptank, Trappe and Tuckahoe Rivers.

Pier 5 Light Street Wharf.

Daily except Sundays at 9 P. M. for Trappe, Chancollor's, Clark's, Medford's (Choptank) Lloyd's, Dover Bridge, Kingston, McCarty's Ganey's, Downes', Towers, Williston, Tuckahoe Bridge, Reese's, Coward's, Covey's, Hillsboro and Queen Anne.

#### RETURNING.

Will leave Hillsboro Mondays, Tuesdays, Wednesdays, Thursdays and Fridays at 11 a. m., Covey's 11.30 a. m., Coward's 12 m., Williston 2 p. m., Ganey's 2.30 p. m., McCarty's 3 p. m., Kingston 3.15 p. m., Dover Bridge 3.30 p. m., Medford's [Choptank] 5 p. m., Clark's 5.30 p. m. Trappe 9 p. m. Stopping at Intermediate Landings, arriving in Baltimore early the following mornings.

Steamer leaves Hillsboro Saturdays at 4 p. m. for Williston, leaving Williston Sundays at 7 a. m., Medford's 10 a. m., Trappe 1 p. m. arriving in Baltimore 8 p. m. Sundays. Freight received at Pier 5 Light St. wharf until 6 p. m. daily for all landings.

E. E. WHEELER, Agent.



## TRAVELERS GUIDE.

### Weems Steamboat Company. PATUXENT RIVER ROUTE.

For Fair Haven, Plum Point, Governor's Run and Patuxent river as far as Benedict, Wednesday and Saturday, at 6.30 a. m. Freight received at Pier 8 Light Street, Tuesday and Friday.

For the Patuxent river direct as far as Bristol, Sunday at 9 p. m. Freight received at Pier 2 Light Street, Saturday.

**POTOMAC RIVER ROUTE.**—For Washington, Alexandria and all landings in the Potomac river, Friday at 6 p. m. For landings on the Potomac as far as Stone Wharf, Tuesday at 6 p. m. Freight received daily at Pier 9, Light Street, but no freight for out-going steamer received after 5.30 p. m. on sailing days. Steamer leaves Seventh street wharf, Washington, Sunday at 4 p. m.

**RAPPAHANNOCK RIVER ROUTE.**—For Fredricksburg and all landings on the Rappahannock river, Tuesday and Friday at 4.30 p. m. For the Rappahannock as far as Naylor, Wednesday at 4.30 P. M. Freight received at Pier 2, Light street, daily. No freight for out-going steamer received after 4 p. m., sailing days.

**HENRY WILLIAMS, Agent,**  
Office, Pier 2, Light Street.

### The Ericsson Line.

Attractive Water Route to Philadelphia.

Cabin fare \$2. Deck fare \$1.50. Steamers entirely remodeled and luxuriously refurnished; lighted throughout with electricity. Round trip ticket \$2, for sale only at Company's Office. Steamers sail at 5 P. M. Write or send for descriptive pamphlet of route and the great fishing grounds at Betterton. **CLARENCE SHRIVER, Agent, 204 Light Street.**

### Chester River Steamboat Co.,

Until further notice, Steamers of this line will leave Pier 7 Light street, as follows:

At 8 a. m., daily except Sunday for Rock Hall, Jackson Creek, Queenstown, Centreville and landings on the Corsica river. At 2.45 p. m., daily, except Sunday, for Kent Island, Queenstown, Bogles, Quaker Neck, Bookers, Ralphs and Chestertown.

Steamer GRATITUDE, 4 p. m. daily except Sunday for Rock Hall.

Steamer CORSICA, at midnight, Monday, Wednesday and Friday, for Quaker Neck, Bookers, Ralphs, Chestertown, Round Top, Buckingham, Deep Landing, Sprigs and Crumpton.

Freight received daily.

**GEORGE WARFIELD, President.**

### Richmond & York River Line.

On and after Tuesday March 5th, steamers of this line leave Baltimore daily (Sunday excepted) at 5 p. m. for Westpoint, Richmond and the South, arriving at Richmond at 9.07 a. m., connecting with trains of the Southern Railway system. Steamer sailing Monday, Wednesday and Friday calling at Gloucester Point and Allmond's Wharf. Steamer sailing Tuesday, Thursday and Saturday calling at Yorktown and Clay Bank.

Through tickets and bills of lading issued to all points on the Southern Railway system. Way freight must be prepaid. Fare to Richmond—1st class, \$2.50; round trip, \$4. Tickets sold and baggage checked at **GRIGAN & CO'S**, 205 East Baltimore street. **E. J. CHISM, G. F. and T. A.,**

**REUBEN FOSTER, General Manager.**

### Annapolis,

### West and Rhode Rivers.

Steamer Emma Giles, for Annapolis, West and Rhode Rivers, Mondays and Fridays, and for Annapolis, West and South Rivers on Wednesdays at 7.30 A. M. Little Choptank River and Dow's Wharf Tuesdays and Thursdays at 6.30 A. M.; Tolchester Saturdays at 8.15 A. M., and 2.30 P. M. Freight received daily at Pier 16 Light street.

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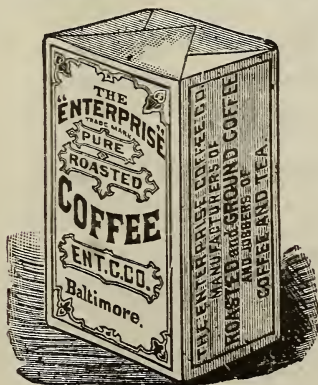
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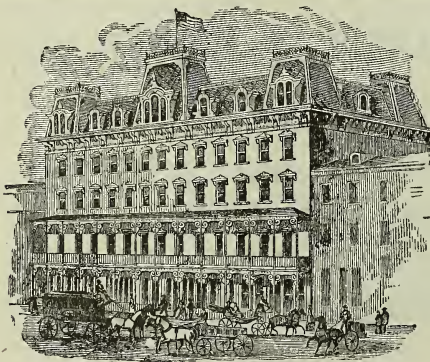
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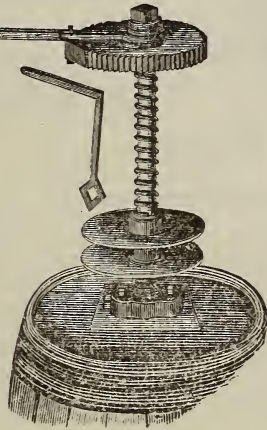
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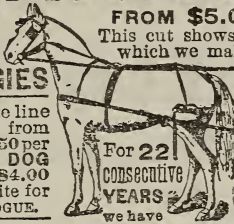
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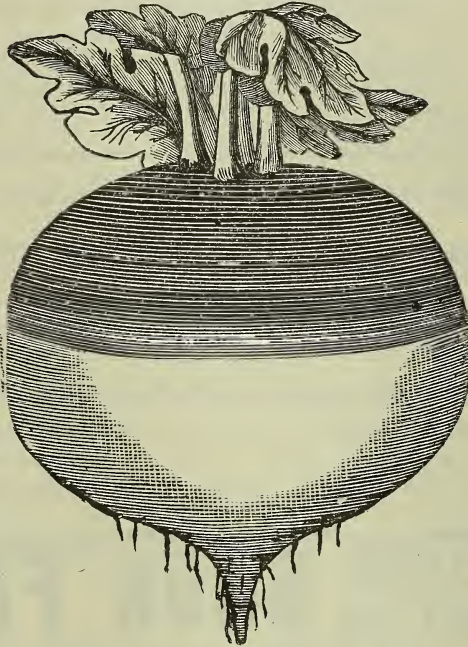
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